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FUNDAMENTAL-CATALOG

FÜR DIE

ZONEN-BEOBACHTUNGEN

AM

NÖRDLICHEN HIMMEL.

HERAUSGEGEBEN

IM AUFTRAGE DER ZONEN-COMMISSION DER ASTRONOMISCHEN GESELLSCHAFT

VON

A. AUWERS.

PUBLICATION DER ASTRONOMISCHEN GESELLSCHAFT
XIV.

LEIPZIG.
IN COMMISSION BEI WILHELM ENGELMANN.
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In dem Plane für die Herstellung eines genauen Ortsverzeichnisses der zu den ersten neun Grössenclassen gehörigen Fixsterne am nördlichen Himmel, dessen Ausführung unter der Leitung der Astronomischen Gesellschaft vor einem Jahrzehnt begonnen ist, wurde die genaue Bestimmung der Sterne, deren Oerter bei der Reduction der anzustellenden Zonenbeobachtungen zu Grunde gelegt werden sollten, von der Pulkowaer Sternwarte übernommen. Für die Oerter derjenigen 336 Sterne, welche das vorläufig zum Gebrauch bei diesen Reductionen angefertigte und im 4. Bande der Vierteljahrsschrift (1869) veröffentlichte Verzeichniss mit dem Pulkowaer Hauptstern-Catalog gemeinschaftlich enthält*), sollten die Resultate der neuen Durchbeobachtung dieses Catalogs angenommen werden, welche an den Ertel'schen Meridian-Instrumenten der Pulkowaer Sternwarte bereits 1861 begonnen, und deren baldiger Abschluss damals zu erwarten war; die neue Bestimmung der weiteren 203 in das Verzeichniss von 1869 aufgenommenen Sterne im Anschluss an diese Beobachtungsreihe wurde zur Aufgabe des Repsold'schen Meridiankreises gemacht und das für dieselbe erforderliche Beobachtungsmaterial in der Hauptsache in den drei nächsten Jahren nach Aufstellung jenes Verzeichnisses gesammelt.

Ein vollständiger Abschluss der von der Pulkowaer Sternwarte übernommenen Arbeit hat sich wegen der grossen Ausdehnung der zugehörigen Beobachtungsreihen und der vielfachen Nothwendigkeit, für die definitive Ausgleichung derselben auf weitläufige Detailuntersuchungen einzugehen, noch nicht ermöglichen lassen. Es wird aber nicht nur bereits lange und stark das Bedürfniss, definitive Annahmen für die Grundlagen des grossen Catalogs der Gesellschaft zu haben, von den Theilnehmern an dieser Arbeit gefühlt, sondern das Verzeichniss von 539 Sternen hat auch anderweitig vielfache Anwendung als Grundlage von Ortsbestimmungen gefunden, die es gleichfalls in hohem Grade wünschenswerth macht, ohne Aufschub die seiner Zeit eilig hergestellten und in der ausgesprochenen Absicht einer bloss vorläufigen Verwendung ausgegebenen Oerter desselben durch solche zu ersetzen, die hohen Ansprüchen an Genauigkeit zu entsprechen vermögen.

Es sind deshalb neuerdings im Einverständniss mit der Zonen-Commission der Astronomischen Gesellschaft von den Pulkowaer Beobachtern die vorläufigen Resultate aus ihren bisherigen

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*) Mit Einschluss der fünf Sterne Nr. 180, 185, 189, 191 und 265, welche nicht ursprünglich zu den Pulkowaer Hauptsternen gehörten, aber am Passageninstrument in gleicher Weise bearbeitet waren, und deshalb in die erste Abtheilung des Catalogs von 1869 aufgenommen wurden. Zur Vermeidung abweichender Numerirung mussten sie auch jetzt in dieser Abtheilung belassen werden.

Arbeiten gezogen und als solche zunächst im letztvergangenen Frühjahr von Herrn Wagner ein vorläufiger Catalog der Rectascensionen der 336 im Gesellschafts-Catalog vorkommenden Pulkowaer Hauptsterne für 1865.0 und von Herrn Nyrén ein entsprechender Catalog der Declinationen der Commission übergeben worden. Von diesen Resultaten wird sich der definitive Pulkowaer Hauptstern-Catalog für 1865 im Einzelnen voraussichtlich überall nur ganz unerheblich unterscheiden; beträchtlicher wird vielleicht die noch vorbehaltene Correction des Systems ausfallen, da aber diese für die Reduction der Zonenbeobachtungen nahezu gleichgültig bleibt, hat die Commission unbedenklich die bezeichneten Cataloge als die von der Pulkowaer Sternwarte zu liefernden Grundlagen angenommen und die von derselben übernommene Aufgabe bezüglich der Hauptsterne damit als erledigt erachtet.

Vorläufige Werthe sind namentlich die Rectascensionen in so fern, als ihnen nicht die aus Herrn Wagner's Beobachtungen selbst erst noch abzuleitenden Rectascensionen der Fundamentalsterne zu Grunde liegen, sondern das Newcomb'sche Fundamentalverzeichniss von 1872.*) Auch für die einzelnen Maskelyne'schen Sterne sind in Herrn Wagner's Verzeichniss keine neu bestimmten, sondern die Newcomb'schen Rectascensionen aufgeführt, ausser für α Aurigae und α Cygni, welche ihrer hohen Declination wegen nicht für die Bestimmung der Uhrcorrection benutzt sind, und für α Geminorum und β Virginis, welche in dem Newcomb'schen Verzeichniss nicht vorkommen.

Herr Wagner bemerkt zu seinem Verzeichniss ferner Folgendes: „Die benutzte Beobachtungsreihe, welche die Jahre 1861 bis 1872 umfasst, besteht aus zwei wesentlich verschiedenen Theilen. Der erste Theil, bis zum Juni 1862, enthält ausschliesslich Beobachtungen nach der alten, sogenannten Auge- und Ohr-Methode; für den zweiten Theil, welcher Mitte 1862 beginnt, kam die Registrirmethode in Anwendung. Die Resultate beider Methoden zeigen deutlich ausgesprochene Unterschiede, welche bei der Vereinigung beider Theile zu einem Ganzen berücksichtigt werden mussten. Obgleich die chronographischen Beobachtungen die anderen an Zahl bedeutend überwiegen und auch sehr bedeutend an Genauigkeit übertreffen, wurde es doch vorgezogen, den Catalog so zu geben, wie man ihn erhalten hätte, wenn die Sterne nach beiden Beobachtungsweisen mit gleichem Gewicht bestimmt worden wären, d. h. es wurden die nach einer jeden gefundenen Resultate um die der Declination entsprechende halbe Abweichung corrigirt, dann aber nach ihren relativen Gewichten in ein Mittel vereinigt. Es sind meistens nicht unter 20 Beobachtungen (5 in jeder Lage des Instruments) zur Ableitung der Positionen benutzt worden. Die wenigen noch unbenutzt gebliebenen Beobachtungen werden die Mittel kaum merklich ändern. Für Sterne über 60° Declination sind auch schon die Resultate der unteren Culminationen mit benutzt worden. Dadurch ist allerdings eine kleine Ungleichförmigkeit in den Catalog hineingebracht worden, für den Fall, dass die Newcomb'schen 12-Stunden-Abstände noch kleine Verbesserungen erhalten sollten. Solche sind in der That angedeutet, doch dürfte das periodische Hauptglied dieser Verbesserung $0^s.015$ kaum erreichen. Für die nördlichsten Sterne, ε Ursae min. bis λ Ursae min., sind die bereits in der Vierteljahrsschrift für 1874 mitgetheilten Positionen (übertragen auf das jetzt gewählte System) reproducirt, obgleich von ihnen zum Theil eine sehr viel grössere Anzahl von Beobachtungen als die dort benutzten vorhanden sind."

Ueber die Berechnung seines Declinations-Catalogs aus den Beobachtungen am Vertical-Kreise bemerkt Herr Nyrén: „Der bei der Ableitung angewandte Werth für die Polhöhe des

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*) On the Right Ascensions of the Equatorial Fundamental Stars ... by Simon Newcomb. Washington 1872. (Appendix III, Washington Observations for 1870.)

Instruments ist derselbe, welcher für den Catalog von 1845 benutzt wurde, nämlich 59° 46′ 18″.67. Da die Veränderung, welche später gefunden wurde, noch der Bestätigung bedarf und eine häufige Aenderung dieses Reductions-Elements nicht erwünscht sein kann, ist diese Frage aufgeschoben, bis sämmtliche hier vorliegenden Beobachtungen einer Discussion unterworfen worden sind."

„Bei solchen Declinationen, bei deren Ableitung auch Beobachtungen in der unteren Culmination hinzugezogen werden, also von + 45° oder + 50° bis zum Pol, sind die endgültigen Werthe der relativen Gewichte der in den verschiedenen Culminationen beobachteten Zenithdistanzen noch nicht ganz sicher festgestellt. Bei Ableitung der hier gegebenen Declinationen sind nur für Sterne zwischen + 50° und dem Pol Beobachtungen auch in der unteren Culmination hinzugezogen. — Bei einigen Sternen sind noch nicht alle anzuwendenden Beobachtungen benutzt. Diess gilt besonders von den einseitigen Beobachtungen, d. h. wo der Stern nur in der einen Lage des Kreises beobachtet wurde. Nur bei Sternen, die innerhalb etwa 5° vom Zenith culminiren, bei denen also in der oberen Culmination nur einseitige Beobachtungen möglich, sind auch diese für die hier gegebenen Declinationen benutzt."

Ich habe, als mir diese Cataloge, ursprünglich zu dem Zweck, dieselben von ihrer Epoche 1865 auf diejenige des Cataloges der Vierteljahrsschrift (1875 als die ungefähre mittlere Epoche der Zonen-Beobachtungen) zu bringen und für dessen erste Abtheilung zu substituiren, zugiengen, es für zweckmässig gehalten, diese Arbeit weiter auszudehnen, um den Grundlagen des Zonen-Unternehmens eine noch grössere Sicherheit zu verschaffen. Die neue Bestimmung der Sternörter für 1755 aus Bradley's Beobachtungen und ihre Vergleichung mit guten neuen Positionen hatte mir für die grosse Mehrzahl der in Frage stehenden Sterne zuverlässige Werthe ihrer Eigenbewegungen geliefert, vermittelst welcher auch die schöne ältere Pulkowaer Bestimmung an denselben Instrumenten von ihrer Epoche 1845 sicher genug auf die neue übertragen werden konnte, um einen neben der neuen Beobachtungsreihe noch gewichtigen Beitrag für den Catalog zu liefern. Ein Catalog der Bradley'schen Sterne, den ich eben zum Zweck der Bestimmung der Eigenbewegungen vor einigen Jahren aus den Airy'schen Catalogen, hauptsächlich den beiden Seven-year Catalogues, zusammengestellt habe, macht gleichfalls Anspruch auf grosse Genauigkeit; ferner war soeben der etwa gleichwerthige neueste Airy'sche Catalog aus neunjährigen Beobachtungen fertig geworden, von der Sternwarte des Harvard College waren kürzlich die Resultate einer direct auf die Bestimmung einer grossen Zahl der Sterne des Vierteljahrsschrifts-Cataloges gerichteten Beobachtungsreihe an ihrem kräftigen neuen Meridian-Instrument veröffentlicht, endlich lagen für die Declinationen der zahlreichen Sterne, welche jener Catalog mit dem von Herrn Bruhns zu Zwecken der Europäischen Gradmessung herausgegebenen gemeinsam enthält, und zum Theil noch für eine weitere Anzahl, werthvolle Beiträge in den Leipziger und namentlich den Leidener Bestimmungen für die mittlere Epoche 1868 vor. Alle diese Bestimmungen habe ich, nach Reduction auf das neue Pulkowaer System, auf Grund einer sorgfältigen Ermittelung ihrer Relationen zu den neuen von Pulkowa erhaltenen Positionen, mit diesen zusammen zu Mittelwerthen vereinigt und so die erste Abtheilung des Catalogs hergestellt, welchen ich hier im Auftrage der Zonen-Commission als definitive Grundlage für die Reduction der Zonenbeobachtungen mittheile.

Für die Zusatzsterne ist eine vorläufige Mittheilung der Resultate der neuen Pulkowaer Bestimmungen bereits im 9. Bande der Vierteljahrsschrift (1874) erfolgt; gegenwärtig haben die Herren Wagner und Nyrén die ganze Beobachtungsreihe aber nochmals überarbeitet, indem sie an Stelle der früher zu Grunde gelegten Positionen des Catalogs von 1869 diejenigen der ersten Abtheilung des vorbezeichneten neuen Mittelcatalogs zur Bestimmung der Uhrcorrectionen

und Nullpuncte benutzt, und dabei zugleich auf das Verhalten des Repsold'schen Kreises zu dem System der Ertel'schen Instrumente genauer Rücksicht genommen haben, als diess in der früheren vorläufigen Bearbeitung geschehen war. Das neue Verzeichniss der Rectascensionen und Declinationen der 203 Zusatzsterne, welches ich kürzlich von den genannten Herren erhalten habe, kann hiernach als systematisch homogen mit der neuen Reduction der ersten Abtheilung, oder mit den Pulkowaer Bestimmungen für 1865, angesehen werden. Die definitiven Oerter dieser Sterne habe ich dann wieder abgeleitet, indem ich mit diesen Pulkowaer Bestimmungen, deren mittlere Epoche 1871 ist, gleichfalls alle vorhin aufgezählten Beobachtungsreihen nach gehöriger Reduction verband, soweit die Zusatzsterne in denselben vorkommen. —

Der Mittheilung des neuen Catalogs lasse ich im Folgenden eine vollständige Angabe der einzelnen demselben zu Grunde liegenden Daten, und einige noch erforderliche Angaben über ihre Quellen und deren Behandlung vorangehen.

Pulkowa 1845. Die Rectascensionen der Hauptsterne sind entnommen aus „Ascensions droites moyennes des étoiles principales pour l'époque 1845.0 déduites des observations faites à la lunette méridienne de Poulkova dans les années 1842—1853 (Extrait du vol. I des Observations de Poulkova). St. Pétersbourg 1869." Die daselbst nicht angegebenen Epochen der Oerter würden aus dem dritten Bande der Beobachtungen zu ermitteln sein, waren für einen andern Zweck aber bereits in Pulkowa berechnet und sind mir von Herrn Wagner mitgetheilt worden.*) Vermittelst derselben habe ich die Rectascensionen für 1845.0 wegen der Unterschiede meiner Eigenbewegungen mit den bei Aufstellung des Verzeichnisses benutzten verbessert, ausser für die mit „F" bezeichneten Sterne (die Fundamentalsterne der Tabulae Reductionum), für welche die Epochen nicht angegeben sind, die schon erforderlichen Verbesserungen aber überall ganz unbedeutend sein werden.

Von den Zusatzsternen kommen nur wenige in derselben Beobachtungsreihe, und zwar fast alle nur mit geringen Beobachtungszahlen, vor, deren Rectascensionen, sowie die der vorhin erwähnten noch in den Hauptstern-Catalog eingeschalteten fünf Sterne, in ähnlicher Weise nach Vol. III der Obs. de Poulkova (Ascensions droites moyennes des étoiles observées occasionellement pour 1845.0, S. [161] ff.) benutzt sind.

Die Declinationen habe ich nach der definitiven Bearbeitung von Nyrén: „Déclinaisons moyennes corrigées des étoiles principales pour l'époque 1845.0 déduites des observations faites au cercle vertical de Poulkova dans les années 1842—1849 ... (Supplément à l'introduction au vol. IV des Obs. de Poulkova). St. Pétersbourg 1875.", angenommen. Die mittleren Epochen der Beobachtungen sind in dieser Publication angegeben, und ich habe dieselben benutzt, um auch für diese Coordinate die Reduction auf 1845.0 zu verbessern. Die Beobachtungsreihe enthält die Hauptsterne nur unvollständig und von den Zusatzsternen keinen, auch die vorkommenden Sterne sind zum Theil nur wenig häufig beobachtet.

Das Gewicht einer auf 1875 übertragenen Position der Pulkowaer Cataloge für 1845 habe ich regelmässig $= 4$ angesetzt, geringer jedoch für die seltener beobachteten Sterne, nämlich Gew. 1 für 1 oder 2, Gew. 2 für 3 bis 7 und Gew. 3 für 8 bis 12 Beobachtungen.

Pulkowa 1865: die oben beschriebenen handschriftlichen Verzeichnisse. Bei der Reduction auf 1865 sind bereits die von mir bestimmten Eigenbewegungen angewandt. Als Gewicht der (auf 1875 reducirten) Positionen habe ich überall, da Beobachtungszahlen nicht mitgetheilt waren, 7 angenommen.

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*) Um auch die anderweitige etwa wünschenswerthe Benutzung dieser Epochen zu ermöglichen, habe ich dieselben mit Zustimmung des Herrn Wagner in einem Anhange zu dieser Publication abdrucken lassen.

Pulkowa 1871: Manuscript der Herren Wagner und Nyrén mit den Resultaten der neuen Bearbeitung der Meridiankreis-Beobachtungen von 1869—1874 (Obs. de Poulk. Vol. VII. Sect. II). Dasselbe enthält die mit den jährlichen Aenderungen des alten Catalogs auf 1875 übertragenen Positionen, die aus der Substitution der neuen Eigenbewegungen für die Bradley'schen Sterne sich ergebenden Aenderungen wurden nachträglich angebracht. Die Zahl der Beobachtungen ist nach Vierteljahrsschrift IX. S. 80 in keinem Falle unter 8, und wird diesen Betrag auch nur ausnahmsweise erheblich überstiegen haben, das Gewicht ist deshalb immer gleich und zwar zu 5 angesetzt.

Greenwich 1861: Manuscript-Catalog der Bradley'schen Sterne aus Greenwicher Beobachtungen von 1836—1872, auf das System des First Seven-year Catalogue gestellt. Die Positionen dieses Catalogs beruhen in erster Linie auf den Beobachtungen von 1854—1867, nämlich den auf ihre Epochen zurückreducirten Angaben der beiden siebenjährigen Cataloge Airy's für 1860 und 1864. Die in dieser Zeit nicht oder ungenügend beobachteten Sterne wurden möglichst vermittelst der Jahres-Cataloge von 1868—1874 bestimmt, in weiterer Linie der Reihe nach aus den Catalogen für 1850 (Six-year Catalogue), 1845 und 1840 (Twelve-year Catalogue); die Sterne des Vierteljahrsschrifts-Catalogs kommen aber weit überwiegend in den beiden siebenjährigen Catalogen vor. Für den vorliegenden Zweck wurde der Manuscript-Catalog durch eine gleichartige Ableitung der Oerter der nicht von Bradley beobachteten Sterne aus diesen beiden Catalogen ergänzt. Als Normalgewicht ist 3 angenommen, jedoch für 1 bis 4 Beobb. Gew. 1 und für 5 bis 15 Beobb. Gew. 2.

Greenwich 1872: Greenwich Nine-year Catalogue of Stars, for 1872; from observations made at the Royal Observatory, Greenwich, 1868 to 1876. Herr Airy hatte die Güte, mir auf meinen Wunsch ein Exemplar dieses noch nicht ausgegebenen Catalogs in Revisionsbogen zuzusenden, soweit das Manuscript abgesetzt war, und aus dem Rest mir die nöthigen Angaben ausziehen zu lassen. Ich habe die Oerter für 1875 daraus mit strenger Berücksichtigung der Unterschiede der beiderseits angewandten Eigenbewegungen abgeleitet, und denselben in der Regel das Gewicht 4 gegeben — ein grösseres als den beiden 7-y. Catalogen zusammen, weil die mittlere Epoche näher an denjenigen der Zonenbeobachtungen liegt und weil in dem neuen Cataloge die vor einigen Jahren bemerkte Abnutzung der Mikrometerschrauben des Greenwicher Meridiankreises in Rechnung gebracht ist, welche das Gewicht der Declinationen, vermuthlich besonders des Catalogs für 1864, verringert. Kleiner als 4 ist das Gewicht für weniger als 21 Beobachtungen angesetzt, nämlich Gew. 1 für 1 bis 4, Gew. 2 für 5 bis 10, Gew. 3 für 11 bis 20 Beobb.

Da ein Theil der zum Nine-year Catalogue gehörigen Beobachtungen bereits für meinen Manuscript-Catalog Greenwich 1861 verwandt worden war, werden hier zuweilen dieselben Beobachtungen doppelt in Rechnung gestellt sein. Ich habe es aber für überflüssig gehalten, diese Fälle aufzusuchen und auszusondern, weil sie nur vereinzelt vorkommen und dann fast ausschliesslich auf solche Positionen treffen werden, die nur mit geringem Gewicht angesetzt sind.

Cambridge 1872: Catalogue of the Primary Stars observed during the years 1871 and 1872, with the meridian circle of Harvard College Observatory (Annals of the Astronomical Observatory of Harvard College, Vol. X. Cambridge 1877). Dieser Catalog enthält die Oerter von 289 Sternen des Verzeichnisses der Vierteljahrsschrift für die Epoche 1872.0, die ich, obwohl sie mit den vorläufigen Daten von 1869 reducirt sind, nicht weiter zu verbessern nöthig hatte, weil die mittlere Epoche der Beobachtungen nur ganz ausnahmsweise mehr als ein halbes Jahr von 1872.0 absteht. Die Zahl derselben ist immer sehr mässig und das Gewicht einer Position

deshalb nicht über 2 angesetzt, für 1 bis 4 Beobb. = 1. Die nördlichsten Sterne sind in beiden Culminationen beobachtet und die Resultate für dieselben getrennt angegeben; aus diesen wurden Mittel mit angemessener Berücksichtigung der Beobachtungszahlen gebildet, welche dann das der Summe der letztern entsprechende Gewicht erhielten.

Leipzig 1868: Resultate einer 1866—1870 ausgeführten Beobachtungsreihe von Dr. Engelmann am Martins'schen Meridiankreise über die Declinationen von 202 Sternen für die Polhöhenbestimmungen der Europäischen Gradmessung, mitgetheilt von Prof. Bruhns als dritter Anhang zum „Generalbericht der Europäischen Gradmessung für das Jahr 1871, Berlin 1872"; und „Resultate aus Beobachtungen auf der Leipziger Sternwarte. I. Beobachtungen am Meridiankreis. Von Dr. Rudolf Engelmann. Leipzig 1870". An dem erstgenannten Orte kommen 144 Sterne des Gesellschafts-Catalogs vor, deren Declinationen Herr Bruhns daselbst für Aeq. 1870, aber für die beigesetzten mittleren Epochen der Beobachtungen angegeben hat. Hierbei ist jedoch für alle Sterne, die zu dem Argelander'schen Verzeichniss der 1865 zu gemeinschaftlicher gleichzeitiger Beobachtung vorgeschlagenen gehören (A. N. 1540), noch der Betrag der Eigenbewegung von 1866.0 bis zu der angegebenen Epoche hinzuzufügen, welche Berichtigung hier vorgenommen ist, indess ohne Berücksichtigung der, als fast verschwindend vernachlässigten, Unterschiede zwischen den bei der Reduction der Leipziger Beobachtungen angewandten Eigenbewegungen und denen des neuen Catalogs. Aus der zweiten Quelle, welche die 1866 bis 1867 angestellten Beobachtungen der eben genannten „gemeinschaftlichen Sterne" enthält, sind ferner, nach dem für 1866.0 gültigen Verzeichniss S. 79. 80, 56 nicht in das Gradmessungs-Verzeichniss übergegangene Declinationen entnommen. Als Gewicht derselben habe ich 2, 3 oder 4 angenommen, je nachdem die Zahl der wirklich verschiedenen Beobachtungen bis zu 12, 13 bis 29, oder 30 und mehr betragen hat. Für die nur im Gradmessungs-Cataloge vorkommenden Sterne sind mir die Beobachtungszahlen nur in einigen Fällen einzeln bekannt gewesen, in den übrigen nach Angabe des Herrn Bruhns zwischen 8 und 10, demgemäss ist für diese Sterne immer das Gewicht 2 angenommen.

Leiden 1868: Resultate von Beobachtungen am Martins'schen Meridiankreise aus den Jahren 1864—1870, zur Bestimmung der Declinationen der Gradmessungs-Sterne und einiger Circumpolarsterne. Die ausführliche Ableitung dieser Declinationen findet sich im zweiten Bande der Annalen der Leidener Sternwarte; ich habe dieselben für 144 Sterne der vorgenannten Abhandlung des Herrn Bruhns entnommen, in welcher sie von 1870.0 auf die wahren mittleren Epochen der Beobachtungen zurückreducirt vorkommen. Die Anzahl der Beobachtungen ist in den meisten Fällen 16, auf vier Lagen des Instruments gleichmässig vertheilt, nur für die 17 gleichzeitig zu den Leidener Circumpolarsternen gehörigen Objecte, indem deren Oerter von Herrn Bruhns nach dem Specialcataloge Leid. Ann. II. S. (141) angesetzt sind, meist eine grössere; als Gewicht habe ich überall 5 angenommen. — Zwei weitere nicht zu den Gradmessungs-Sternen gehörige Positionen habe ich nach dem eben genannten Specialcataloge hinzugefügt. —

Von den Zusatzsternen hat Herr Romberg neuerdings noch eine zweite vollständige Durchbeobachtung am Pulkowaer Meridiankreise ausgeführt, die noch der Reduction harrt und deshalb leider hier nicht mehr benutzt werden konnte. Jedoch hat Herr Romberg die Gefälligkeit gehabt, mir für eine Anzahl von Sternen, für welche ich weitere Controlen noch besonders wünschenswerth fand, vorläufige Reductionen dieser neuen Beobachtungen mitzutheilen, die, wie einige weitere Angaben von Herrn Wagner über gelegentliche meist ältere Beobachtungen von Zusatzsternen an den Pulkowaer Meridianinstrumenten, gehörigen Orts verwerthet worden sind. Nähere Angaben enthalten die an den betreffenden Stellen der Tafeln befindlichen Anmerkungen; die Gewichte dieser zusätzlichen Bestimmungen sind im Allgemeinen geringer

deshalb angesetzt, weil ihre Relation zu dem hier zu Grunde gelegten System weniger sicher festgestellt ist. —

Die Reduction aller benutzten Positionen auf 1875.0 ist vermittelst der Praecessionen und Eigenbewegungen des unten folgenden Catalogs ausgeführt*), und es sind dann die einzelnen Reihen mit den Pulkowaer Bestimmungen für 1865 verglichen. Um die Reductionen derselben auf das System dieser letzteren zu ermitteln, habe ich die Differenzen für je 5° breite Zonen der Declination, und für einzelne Stunden der Rectascension, zusammengefasst und graphisch ausgeglichen. Hierbei war eine Berücksichtigung von Gewichtsunterschieden nicht erforderlich; dagegen sind, wo es wünschenswerth schien, diese Ermittelungen auf wiederholte Annäherungen gegründet. Die folgende Zusammenstellung enthält überall diejenigen Mittelwerthe der Differenzen, bei denen ich stehen geblieben bin.

Mittlere Unterschiede in AR, die von der Declination abhängen.

{Erster Theil der Reduction auf Pulkowa 1865 = $(\Delta\alpha)_\delta$}

Declination	Pulkowa 1845	Greenwich 1861	Greenwich 1872	Cambridge 1872
— 10° bis — 5°	+0ˢ.043 21**	+0ˢ.040 21**	+0ˢ.037 16**	+0ˢ.038 10**
— 5 » 0	+0.050 20 »	+0.033 20 »	+0.028 12 »	—0.074 16 »
0 » + 5	+0.045 21 »	+0.027 22 »	+0.029 17 »	—0.020 14 »
+ 5 » + 10	+0.033 25 »	+0.021 25 »	+0.024 21 »	+0.006 19 »
+ 10 » + 15	+0.043 23 »	+0.020 23 »	+0.023 20 »	+0.013 18 »
+ 15 » + 20	+0.033 23 »	+0.022 23 »	+0.015 19 »	+0.007 17 »
+ 20 » + 25	+0.043 21 »	+0.008 21 »	+0.016 21 »	+0.017 14 »
+ 25 » + 30	+0.044 25 »	—0.003 26 »	+0.032 25 »	+0.037 15 »
+ 30 » + 35	+0.059 20 »	+0.004 21 »	+0.022 22 »	+0.037 13 »
+ 35 » + 40	+0.069 22 »	+0.039 21 »	+0.034 17 »	+0.041 14 »
+ 40 » + 45	+0.054 21 »	+0.003 21 »	+0.032 16 »	+0.051 12 »
+ 45 » + 50	+0.068 17 »	+0.035 18 »	+0.051 14 »	+0.064 13 »
+ 50 » + 55	+0.045 13 »	—0.001 14 »	+0.053 13 »	+0.078 7 »
+ 55 » + 60	+0.057 18 »	+0.001 17 »	+0.037 16 »	+0.060 7 »
+ 60 » + 65	+0.059 11 »	+0.024 11 »	+0.064 12 »	+0.068 8 »
+ 65 » + 70	+0.113 7 »	+0.024 9 »	+0.058 8 »	+0.015 6 »
+ 70 » + 75	+0.081 8 »	—0.001 9 »	+0.067 10 »	+0.101 7 »
+ 75 » + 80	+0.040 4 »	+0.109 5 »	+0.036 4 »	+0.014 4 »

*) Genau gesagt mit den auf die Struve'sche Constante reducirten alten Praecessionen. Der neue Catalog gibt für die nördlichsten und sonst für die merklich geänderten Positionen direct neu berechnete Praecessionen, deren Abweichungen von den reducirten alten Praecessionen als praktisch gleichgültig nur ausnahmsweise noch nachträglich berücksichtigt wurden. — Bei der Berechnung der Eigenbewegung bis 1875 ist die zweite Potenz der Zeit nur bei α, δ, λ Ursae min., 43 und 51 Cephei Hev. und 23 Camelop. Hev. berücksichtigt. Die durch die Vernachlässigung derselben sonst erzeugten Fehler erreichen in den Mitteln für 1875 nirgends 0ˢ.001.

Die Uebertragungen der einzelnen Verzeichnisse auf 1875 sind grösstentheils, die sonstigen Praecessions-Rechnungen sämmtlich durch Herrn Dr. G. Müller in Potsdam ausgeführt. Ferner hat derselbe die eine der unabhängig doppelt vorgenommenen Berechnungen der Mittel aus den einzelnen Bestimmungen angestellt.

Mittlere Unterschiede in AR, die von der Rectascension abhängen.

{Zweiter Theil der Reduction auf Pulkowa 1865 = $(\Delta\alpha)_\alpha$, abgeleitet aus den Sternen bis zur Decl. 60°.}

Stunde	Pulkowa 1845		Greenwich 1872		Cambridge 1872	
0	+ 0^s.018	13**	— 0^s.001	14**	— 0^s.026	7**
1	+ 0.010	14 »	+ 0.021	14 »	+ 0.031	9 »
2	+ 0.016	14 »	+ 0.013	14 »	+ 0.023	11 »
3	+ 0.006	17 »	+ 0.007	15 »	+ 0.011	12 »
4	— 0.005	12 »	— 0.007	9 »	— 0.011	9 »
5	— 0.003	20 »	— 0.006	13 »	— 0.017	12 »
6	— 0.005	8 »	— 0.012	8 »	— 0.043	4 »
7	— 0.023	8 »	— 0.016	8 »	— 0.030	7 »
8	— 0.010	10 »	+ 0.022	6 »	— 0.006	6 »
9	— 0.001	9 »	+ 0.010	8 »	+ 0.016	8 »
10	+ 0.006	8 »	— 0.009	8 »	+ 0.032	5 »
11	— 0.008	12 »	— 0.022	12 »	+ 0.005	9 »
12	+ 0.005	7 »	— 0.001	7 »	+ 0.035	6 »
13	— 0.026	7 »	— 0.015	7 »	— 0.028	6 »
14	+ 0.006	14 »	— 0.012	10 »	— 0.022	8 »
15	+ 0.018	19 »	— 0.006	15 »	+ 0.022	12 »
16	+ 0.028	12 »	— 0.005	11 »	— 0.003	8 »
17	— 0.018	17 »	— 0.002	12 »	+ 0.003	6 »
18	+ 0.004	15 »	+ 0.014	12 »	+ 0.031	8 »
19	— 0.003	12 »	+ 0.003	9 »	+ 0.024	8 »
20	— 0.001	13 »	+ 0.006	10 »	+ 0.008	8 »
21	+ 0.012	10 »	+ 0.004	8 »	+ 0.002	6 »
22	+ 0.007	17 »	+ 0.004	15 »	+ 0.005	13 »
23	— 0.009	6 »	+ 0.004	4 »	— 0.015	4 »

Für Greenwich 1861 ist $(\Delta\alpha)_\alpha$ zufällig abweichend für je 10° der Rectascension, von 355° ausgehend, bestimmt und wie folgt gefunden worden:

AR	$(\Delta\alpha)_\alpha$	**	AR	$(\Delta\alpha)_\alpha$	**	AR	$(\Delta\alpha)_\alpha$	**
23^h 40^m			7^h 40^m			15^h 40^m		
	+ 0^s.018	4		— 0^s.010	2		+ 0^s.013	10
0 20			8 20			16 20		
	+ 0.026	6		— 0.017	8		— 0.002	7
1 0			9 0			17 0		
	+ 0.031	8		— 0.009	6		— 0.016	6
1 40			9 40			17 40		
	+ 0.023	8		— 0.014	6		+ 0.014	10
2 20			10 20			18 20		
	+ 0.010	11		— 0.009	2		+ 0.031	10
3 0			11 0			19 0		
	— 0.004	9		— 0.032	8		+ 0.029	3
3 40			11 40			19 40		
	+ 0.016	9		— 0.017	4		+ 0.021	9
4 20			12 20			20 20		
	— 0.004	10		— 0.026	4		+ 0.020	9
5 0			13 0			21 0		
	— 0.026	15		— 0.012	2		+ 0.016	8
5 40			13 40			21 40		
	+ 0.013	7		— 0.024	8		+ 0.029	6
6 20			14 20			22 20		
	— 0.010	6		+ 0.023	8		+ 0.013	10
7 0			15 0			23 0		
	— 0.018	8		+ 0.005	12		— 0.019	5
7 40			15 40			23 40		

Mittlere Unterschiede in Declination, die von der Declination abhängen.

{ Erster Theil der Reduction auf Pulkowa 1865 = $(\Delta\delta)_\delta$ }

Declination	Pulkowa 1845	Greenw. 1861	Greenw. 1872	Cambr. 1872	Leipzig 1868	Leiden 1868
— 10° bis — 5°	— 0.″24 16**	— 0.″57 22**	— 1.″46 16**	+ 0.″36 9**	— 0.″72 6**	— 0.″13 6**
— 5 » 0	— 0.20 15 »	— 0.89 18 »	— 1.62 12 »	+ 0.29 16 »	— 0.83 7 »	— 0.61 6 »
0 » + 5	+ 0.16 21 »	— 0.11 21 »	— 1.05 16 »	+ 0.14 14 »	— 0.52 10 »	— 0.68 5 »
+ 5 » + 10	— 0.09 23 »	— 0.15 25 »	— 0.86 22 »	+ 0.06 22 »	— 0.49 14 »	— 0.54 10 »
+ 10 » + 15	— 0.10 22 »	— 0.17 23 »	— 0.87 20 »	+ 0.21 17 »	— 0.86 9 »	— 0.58 8 »
+ 15 » + 20	— 0.07 21 »	— 0.09 23 »	— 0.73 19 »	+ 0.45 17 »	— 0.74 7 »	— 0.43 7 »
+ 20 » + 25	+ 0.01 20 »	+ 0.04 21 »	— 0.49 21 »	+ 0.32 14 »	— 0.54 8 »	— 0.49 6 »
+ 25 » + 30	+ 0.11 22 »	+ 0.04 27 »	— 0.24 25 »	+ 0.04 15 »	— 0.47 7 »	— 0.53 6 »
+ 30 » + 35	— 0.17 19 »	— 0.29 22 »	— 0.70 22 »	+ 0.41 13 »	— 0.35 10 »	— 0.37 7 »
+ 35 » + 40	— 0.20 20 »	— 0.17 20 »	— 0.59 17 »	— 0.02 13 »	— 0.42 7 »	— 0.08 6 »
+ 40 » + 45	+ 0.08 21 »	— 0.13 21 »	— 0.75 17 »	+ 0.33 13 »	— 0.16 11 »	— 0.35 11 »
+ 45 » + 50	+ 0.19 19 »	— 0.05 19 »	— 0.61 13 »	+ 0.19 13 »	— 0.21 10 »	— 0.28 10 »
+ 50 » + 55	+ 0.17 12 »	+ 0.16 13 »	— 0.42 13 »	— 0.23 6 »	+ 0.21 11 »	— 0.09 11 »
+ 55 » + 60	+ 0.13 17 »	— 0.06 18 »	— 0.80 15 »	+ 0.23 8 »	+ 0.74 10 »	— 0.14 9 »
+ 60 » + 65	+ 0.54 10 »	+ 0.39 10 »	— 0.27 12 »	+ 0.49 9 »	+ 0.99 9 »	— 0.26 6 »
+ 65 » + 70	+ 0.23 10 »	+ 0.24 10 »	— 0.35 7 »	— 0.26 6 »	+ 0.98 4 »	— 0.05 3 »
+ 70 » + 80	+ 0.03 13 »	+ 0.10 12 »	— 0.12 14 »	— 0.17 12 »	+ 1.04 8 »	+ 0.06 3 »
+ 80 » + 90	+ 0.26 7 »	+ 0.16 7 »	+ 0.11 7 »	+ 0.45 5 »	+ 0.55 5 »	+ 0.10 4 »

Mittlere Unterschiede in Declination, die von der Rectascension abhängen.

{ Zweiter Theil der Reduction auf Pulkowa 1865 = $(\Delta\delta)_\alpha$ }

Stunde	Pulkowa 1845	Greenw. 1861	Greenw. 1872	Cambr. 1872	Leipzig 1868	Leiden 1868
0	+ 0.″36 13**	+ 0.″18 15**	— 0.″08 15**	+ 0.″04 9**	— 0.″20 8**	— 0.″20 6**
1	— 0.05 14 »	— 0.21 17 »	+ 0.02 16 »	+ 0.27 11 »	— 0.08 8 »	— 0.05 5 »
2	— 0.15 16 »	— 0.07 16 »	+ 0.04 16 »	— 0.24 11 »	+ 0.07 6 »	— 0.04 5 »
3	+ 0.02 14 »	+ 0.04 20 »	— 0.09 17 »	— 0.10 11 »	— 0.08 4 »	— 0.11 3 »
4	— 0.08 13 »	— 0.05 14 »	— 0.01 11 »	— 0.00 12 »	+ 0.16 7 »	— 0.09 6 »
5	— 0.04 18 »	+ 0.09 19 »	+ 0.22 14 »	+ 0.05 13 »	+ 0.09 7 »	— 0.11 6 »
6	— 0.04 9 »	— 0.03 9 »	— 0.16 8 »	+ 0.03 3 »	+ 0.03 4 »	+ 0.20 2 »
7	+ 0.13 8 »	+ 0.21 8 »	+ 0.06 9 »	+ 0.46 7 »	+ 0.41 3 »	+ 0.46 3 »
8	— 0.10 11 »	— 0.29 11 »	+ 0.09 7 »	+ 0.17 8 »	— 0.06 4 »	— 0.08 2 »
9	— 0.19 12 »	+ 0.09 11 »	+ 0.19 10 »	+ 0.34 9 »	+ 0.22 5 »	+ 0.08 5 »
10	— 0.22 9 »	— 0.03 10 »	+ 0.12 10 »	+ 0.71 7 »	— 0.06 6 »	— 0.05 5 »
11	— 0.20 13 »	— 0.02 13 »	+ 0.09 13 »	+ 0.16 10 »	— 0.02 8 »	+ 0.13 7 »
12	+ 0.10 9 »	+ 0.06 9 »	— 0.06 9 »	— 0.09 7 »	— 0.14 4 »	— 0.34 3 »
13	+ 0.07 6 »	— 0.09 7 »	+ 0.20 7 »	+ 0.33 6 »	+ 0.06 5 »	— 0.12 3 »
14	+ 0.14 12 »	+ 0.16 16 »	— 0.01 12 »	+ 0.15 10 »	+ 0.39 7 »	+ 0.07 6 »
15	+ 0.04 21 »	— 0.07 21 »	+ 0.00 17 »	— 0.14 14 »	— 0.07 7 »	— 0.21 5 »

Stunde	Pulkowa 1845		Greenw. 1861		Greenw. 1872		Cambr. 1872		Leipzig 1868		Leiden 1868	
16	+ 0″.06	14**	+ 0″.06	15**	+ 0″.03	14**	+ 0″.11	11**	+ 0″.33	9**	— 0″.01	8**
17	+ 0.04	17 »	— 0.03	18 »	— 0.18	13 »	— 0.52	6 »	— 0.01	6 »	— 0.04	6 »
18	+ 0.11	15 »	— 0.09	17 »	— 0.03	14 »	+ 0.23	10 »	+ 0.04	8 »	+ 0.28	7 »
19	+ 0.05	15 »	— 0.01	16 »	+ 0.12	13 »	— 0.37	11 »	— 0.16	11 »	+ 0.05	11 »
20	— 0.04	17 »	+ 0.01	14 »	— 0.03	12 »	+ 0.37	9 »	— 0.18	6 »	+ 0.09	5 »
21	— 0.08	10 »	+ 0.06	11 »	— 0.09	11 »	— 0.24	8 »	— 0.18	7 »	+ 0.03	6 »
22	— 0.05	15 »	— 0.05	18 »	— 0.18	16 »	— 0.21	14 »	— 0.32	9 »	+ 0.10	8 »
23	+ 0.35	7 »	+ 0.33	7 »	+ 0.01	5 »	— 0.54	5 »	+ 0.23	4 »	+ 0.19	2 »

Eine Abhängigkeit der Unterschiede aller beiden Coordinaten in der Rectascension ist in allen Fällen deutlich ersichtlich und nicht zu vernachlässigen, ausser in der Relation Pulk. 1865 — Greenw. 1861 für Declination. In dieser erscheinen die $(\Delta\delta)_\alpha$ nur als zufällige Differenzen und sind nicht weiter berücksichtigt. In den andern Fällen habe ich die ausgleichenden Curven möglichst einfach gezogen und durch dieselben die folgenden Reductionstafeln erhalten (einige derselben erst nach kleinen entgegengesetzten Verschiebungen der Nullpuncte für die beiden Theile der Reduction).

Reduction auf das vorläufige System Pulkowa 1865.

Erster Theil $= (\Delta\alpha)_\delta$ und $(\Delta\delta)_\delta$.

Decl.	Pulkowa 1845		Greenwich 1861		Greenwich 1872		Cambridge 1872		Leipzig 1868	Leiden 1868
+ 90°		+ 0″.16		+ 0″.19		+ 0″.04		+ 0″.08	+ 0″.45	+ 0″.13
+ 85		+ 0.17		+ 0.23		0.00		+ 0.08	+ 0.78	+ 0.10
+ 80	+ 0ˢ.087	+ 0.19	+ 0ˢ.060	+ 0.26	+ 0ˢ.060	— 0.05	+ 0ˢ.081	+ 0.08	+ 0.94	+ 0.07
+ 75	+ 0.081	+ 0.21	+ 0.041	+ 0.27	+ 0.058	— 0.12	+ 0.080	+ 0.08	+ 1.02	+ 0.04
+ 70	+ 0.075	+ 0.25	+ 0.026	+ 0.27	+ 0.056	— 0.20	+ 0.078	+ 0.08	+ 1.02	+ 0.01
+ 65	+ 0.070	+ 0.28	+ 0.017	+ 0.22	+ 0.053	— 0.30	+ 0.076	+ 0.09	+ 0.95	— 0.04
+ 60	+ 0.066	+ 0.27	+ 0.012	+ 0.12	+ 0.050	— 0.43	+ 0.073	+ 0.10	+ 0.82	— 0.08
+ 55	+ 0.062	+ 0.22	+ 0.013	+ 0.01	+ 0.046	— 0.56	+ 0.069	+ 0.12	+ 0.50	— 0.12
+ 50	+ 0.057	+ 0.15	+ 0.016	— 0.06	+ 0.042	— 0.62	+ 0.063	+ 0.14	+ 0.14	— 0.17
+ 45	+ 0.054	+ 0.06	+ 0.018	— 0.13	+ 0.037	— 0.64	+ 0.058	+ 0.16	— 0.17	— 0.23
+ 40	+ 0.050	— 0.03	+ 0.018	— 0.16	+ 0.031	— 0.64	+ 0.051	+ 0.17	— 0.34	— 0.29
+ 35	+ 0.047	— 0.08	+ 0.015	— 0.17	+ 0.025	— 0.60	+ 0.045	+ 0.18	— 0.43	— 0.36
+ 30	+ 0.044	— 0.05	+ 0.010	— 0.13	+ 0.020	— 0.53	+ 0.038	+ 0.19	— 0.50	— 0.43
+ 25	+ 0.041	— 0.02	+ 0.009	— 0.04	+ 0.016	— 0.55	+ 0.031	+ 0.20	— 0.58	— 0.47
+ 20	+ 0.040	— 0.02	+ 0.014	— 0.04	+ 0.014	— 0.62	+ 0.024	+ 0.20	— 0.64	— 0.51
+ 15	+ 0.038	— 0.03	+ 0.019	— 0.07	+ 0.015	— 0.74	+ 0.016	+ 0.20	— 0.68	— 0.53
+ 10	+ 0.038	— 0.05	+ 0.025	— 0.13	+ 0.017	— 0.90	+ 0.007	+ 0.20	— 0.70	— 0.54
+ 5	+ 0.039	— 0.07	+ 0.028	— 0.23	+ 0.021	— 1.10	— 0.002	+ 0.20	— 0.70	— 0.53
0	+ 0.040	— 0.11	+ 0.033	— 0.37	+ 0.024	— 1.33	— 0.011	+ 0.20	— 0.69	— 0.51
— 5	+ 0.042	— 0.16	+ 0.037	— 0.58	+ 0.028	— 1.54	— 0.020	+ 0.20	— 0.66	— 0.47
— 10	+ 0.044	— 0.22	+ 0.042	— 0.80	+ 0.033	— 1.70	— 0.028	+ 0.20	— 0.63	— 0.41

Zweiter Theil $= (\Delta\alpha)_\alpha$ und $(\Delta\delta)_\alpha$.

AR	Pulkowa 1845		Greenwich 1861		Greenwich 1872		Cambridge 1872		Leipzig 1868	Leiden 1868
$0^h.0$	$+0^s.013$	$+0''.16$	$+0^s.013$	0	$+0^s.014$	$-0''.10$	$-0^s.005$	$-0''.08$	$-0''.12$	$+0''.02$
1.0	+0.015	+0.10	+0.025		+0.014	−0.08	−0.001	−0.07	−0.10	−0.09
2.0	+0.012	−0.05	+0.022		+0.012	−0.06	+0.003	−0.05	−0.04	−0.14
3.0	+0.006	−0.10	+0.009		+0.009	−0.02	+0.002	−0.02	+0.05	−0.16
4.0	0.000	−0.10	−0.003		+0.006	+0.03	−0.005	+0.04	+0.13	−0.15
5.0	−0.006	−0.06	−0.012		+0.002	+0.06	−0.016	+0.12	+0.20	−0.07
6.0	−0.010	−0.02	−0.017		−0.001	+0.08	−0.025	+0.22	+0.24	+0.10
7.0	−0.013	0.00	−0.018		−0.004	+0.10	−0.028	+0.30	+0.25	+0.19
8.0	−0.013	−0.03	−0.017		−0.006	+0.10	−0.020	+0.37	+0.22	+0.17
9.0	−0.010	−0.15	−0.017		−0.008	+0.11	−0.005	+0.40	+0.15	+0.08
10.0	−0.005	−0.22	−0.017		−0.010	+0.11	+0.016	+0.41	+0.07	0.00
11.0	−0.001	−0.22	−0.019		−0.011	+0.10	+0.020	+0.37	−0.04	−0.06
12.0	+0.003	−0.16	−0.022		−0.011	+0.08	+0.014	+0.27	−0.07	−0.11
13.0	+0.006	−0.06	−0.022		−0.010	+0.06	−0.005	+0.13	−0.05	−0.15
14.0	+0.008	+0.03	−0.015		−0.008	+0.03	−0.011	+0.04	+0.06	−0.16
15.0	+0.008	+0.09	+0.004		−0.005	0.00	−0.009	0.00	+0.14	−0.14
16.0	+0.007	+0.12	+0.008		−0.001	−0.02	+0.000	−0.02	+0.20	−0.10
17.0	+0.003	+0.12	+0.005		+0.002	−0.04	+0.012	−0.04	+0.19	−0.03
18.0	−0.001	+0.10	+0.010		+0.006	−0.06	+0.017	−0.03	+0.10	+0.09
19.0	−0.004	+0.06	+0.026		+0.008	−0.07	+0.017	0.00	−0.02	+0.17
20.0	−0.003	0.00	+0.025		+0.010	−0.08	+0.013	−0.01	−0.08	+0.19
21.0	0.000	−0.06	+0.020		+0.011	−0.09	+0.007	−0.04	−0.13	+0.18
22.0	+0.005	−0.05	+0.013		+0.012	−0.10	−0.001	−0.06	−0.14	+0.13
23.0	+0.010	+0.10	+0.006		+0.013	−0.10	−0.004	−0.07	−0.14	+0.07
24.0	+0.013	+0.16	+0.013		+0.014	−0.10	−0.005	−0.08	−0.12	+0.02

Für Sterne über 80° ist die Reduction der AR, lediglich um eine Discontinuität in der Rechnung zu vermeiden, angesetzt:

$$\left.\begin{array}{lll} \text{für Pulkowa 1845} & = & +0^s.090 \\ \text{» Greenwich 1861} & = & +0.062 \\ \text{» Greenwich 1872} & = & +0.061 \\ \text{» Cambridge 1872} & = & +0.085 \end{array}\right\} + \frac{1}{2}\left\{(\Delta\alpha)_\alpha + (\Delta\alpha)_{\alpha+12^h}\right\}$$

bezw. im letzten Falle, wenn die Gewichte der beiden Culminationen ungleich waren, mit genauerer Berücksichtigung derselben für die Annahme von $(\Delta\alpha)_\alpha$.

Die Curve für das Reductionsglied $(\Delta\delta)_\alpha$ der Pulkowaer Declinationen für 1845 würde einfacher ausfallen, wenn man die auffallende Abweichung der beiden Stunden 23^h und 0^h von den umliegenden vernachlässigen dürfte. Es würden sich dann mit guter Darstellung der übrigen Werthe nur zwei Maxima ($+0''.03$ in $5^h.2$ und $+0''.12$ in $16^h.4$) und zwei Minima ($-0''.10$ in $1^h.0$ und $-0''.21$ in $11^h.0$) ergeben. Die 20 in jene beiden Stunden fallenden Sterne geben aber mit so grosser Uebereinstimmung eine starke positive Abweichung von einer solchen Curve, dass es nothwendig wird, die eine Hälfte ihres Zuges, von 21^h bis 9^h, anders zu legen, und noch ein drittes Maximum und Minimum hinzuzufügen.

Die Declinations-Reductionen für Cambridge sind nur erste Näherungen und wenig sicher, da die zufälligen Fehler sich als verhältnissmässig gross herausstellen. Bei der Ermittelung

der Reductionen für die Leipziger Declinationen habe ich mich ebenfalls auf eine erste Annäherung beschränkt, weil die vorliegenden Resultate der Beobachtungen am Leipziger Meridiankreise wegen des zu ihrer Ableitung angewandten Verfahrens überhaupt nur ganz provisorische Gültigkeit beanspruchen können. —

Voraussichtlich wird häufig der Fall vorkommen, dass man eine Position aus einem älteren Cataloge auf das System des unten folgenden Verzeichnisses zu reduciren hat. Um einstweilen zu diesem Behuf die von mir im 64. Bande der Astronomischen Nachrichten (Nr. 1532—1536) für die Declinationen gegebenen Tafeln unmittelbar zu benutzen, hat man zu denselben folgende bemerkenswerth beträchtliche Quantitäten zu addiren:

Pulkowa 1865 — mittl. System, A.N. 1536.

Decl.	$\Delta\delta$	Decl.	$\Delta\delta$	Decl.	$\Delta\delta$	Decl.	$\Delta\delta$
+ 90°	+ 0.″19	+ 62°	+ 0.″28	+ 34°	− 0.″55	+ 6°	− 0.″50
+ 86	+ 0.36	+ 58	+ 0.15	+ 30	− 0.51	+ 2	− 0.52
+ 82	+ 0.43	+ 54	+ 0.01	+ 26	− 0.45	− 2	− 0.63
+ 78	+ 0.60	+ 50	− 0.11	+ 22	− 0.47	− 6	− 0.78
+ 74	+ 0.55	+ 46	− 0.23	+ 18	− 0.52	− 10	− 0.99
+ 70	+ 0.49	+ 42	− 0.36	+ 14	− 0.57		
+ 66	+ 0.38	+ 38	− 0.47	+ 10	− 0.54		

Um ferner die von mir im 4. Bande der Vierteljahrsschrift, S. 321, mitgetheilten Reductionen zu benutzen, hat man zu den dort befindlichen Tafelwerthen die aus der vorhin gegebenen Reductionstafel für Greenwich 1861 zu entnehmenden Werthe hinzuzufügen. Letztere gilt für AR unmittelbar für den ersten Seven-year Catalogue (1860), für den zweiten (1864) mit weiterer Hinzufügung der Constante $+0^{s}.010$; für Declination gilt sie unmittelbar für beide genannten Cataloge, indem dieselben in dieser Coordinate völlig homogen sind.

Berlin, im November 1878.

A. Auwers.

GRUNDLAGEN

DES

FUNDAMENTAL-CATALOGS

FÜR DIE

ZONEN-BEOBACHTUNGEN.

ERLÄUTERUNGEN.

In der ersten Abtheilung der folgenden Tafeln finden sich unter den Ueberschriften Pulkowa 1865, bezw. 1871, Pulkowa 1845, Greenwich 1861, Greenwich 1872, Cambridge 1872, Leipzig 1868 und Leiden 1868 die aus den Quellen, über deren Beschaffenheit und Benutzung die vorstehende Einleitung die näheren Nachweise gibt, mit den Daten des unten folgenden Catalogs auf das Aequinoctium*) und die Epoche 1875.0 übertragenen Positionen, daneben die hieran zur Reduction auf das System der neuen Pulkowaer Bestimmungen (1865 und 1871) noch anzubringenden Correctionen (für AR in Tausendsteln der Zeitsecunde, für Declination in der ersten Catalog-Abtheilung in Hundertsteln der Bogensecunde), und die Zahlen der den Positionen zu Grunde liegenden Beobachtungen, soweit dieselben bekannt sind.

Unter der Ueberschrift Pulkowa 1845 sind ausserdem, vor den Secunden der Rectascension und Declination, die in letzteren Werthen bereits enthaltenen Quantitäten angegeben (für AR in Tausendsteln der Zeitsecunde, für Declination in Hundertsteln der Bogensecunde), welche an die Angaben der Observations de Poulkova, Vol. I. bezw. Suppl. à l'Introd. au Vol. IV, zur Verbesserung der Reduction auf 1845.0 angebracht sind.

Die zweite Abtheilung der Tafeln enthält die Abweichungen der vollständig reducirten Positionen der einzelnen Reihen von dem vorläufigen, 1869 ausgegebenen Cataloge, deren Gewichte, und die als Mittel angenommenen Correctionen für 1875.0. Die vor der Vergleichung an einige Angaben des vorläufigen Catalogs angebrachten und u. a. bei der Verbindung der hier ermittelten Correctionen mit den bisher publicirten Berliner Ephemeriden zu berücksichtigenden Verbesserungen sind weiterhin in den Erläuterungen zu dem neuen Cataloge selbst zusammengestellt.

*) Vergl. die Anm. S. 7.

Rectascensionen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	Decl.	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
1	α Andromedae	28°.4	0h 1m 55s.755	F	55s.721	+ 56	....	55s.732	+ 24	115	55s.720	+ 33	62	55s.728	+ 31	11
2	β Cassiopejae	58.5	2 31.069	— 6	31.007	+ 78	49	30.982	+ 26	6	31.020	+ 63	9	—	—	—
3	γ Pegasi	14.5	6 48.037	F	48.008	+ 51	....	47.799	+ 34	120	47.998	+ 29	64	48.017	+ 11	4
4	ι Ceti	—9.5	13 3.536	— 5	3.473	+ 57	24	3.474	+ 58	40	3.486	+ 46	41	3.547	— 31	5
5	κ Cassiopejae	62.2	25 54.530	— 4	54.482	+ 82	50	54.551	+ 31	6	54.453	+ 65	9	54.517	+ 71	7
6	ζ Cassiopejae	53.2	30 0.972	+ 3	0.936	+ 67	50	0.973	+ 35	12	0.918	+ 58	15	—	—	—
7	π Andromedae	33.0	30 12.527	+ 4	12.428	+ 60	25	12.433	+ 34	3	12.522	+ 37	4	—	—	—
8	ε Andromedae	28.6	31 57.211	+ 2	57.161	+ 57	26	57.190	+ 31	62	57.179	+ 33	27	—	—	—
9	δ Andromedae	30.2	32 38.883	— 5	38.782	+ 58	23	38.845	+ 31	12	38.860	+ 34	3	—	—	—
10	α Cassiopejae	55.9	33 25.462	F	25.375	+ 77	....	25.402	+ 34	55	25.404	+ 61	44	25.389	+ 67	10
11	ζ Andromedae	23.6	40 42.935	+ 6	42.869	+ 55	28	42.917	+ 33	5	42.906	+ 29	5	42.938	+ 27	5
12	η Cassiopejae	57.2	41 32.841	— 7	32.684	+ 78	46	32.779	+ 36	14	32.887	+ 62	15	32.933	+ 69	4
13	γ Cassiopejae	60.0	49 10.666	—17	10.586	+ 81	46	10.667	+ 36	8	10.641	+ 64	24	10.619	+ 71	3
14	μ Andromedae	37.8	49 49.260	—26	49.232	+ 64	32	49.247	+ 41	96	49.210	+ 43	35	—	—	—
15	ε Piscium	7.2	56 27.421	+14	27.371	+ 54	20	27.371	+ 51	158	27.373	+ 33	108	27.462	+ 1	7
16	β Andromedae	35.0	1 2 44.292	+ 2	44.269	+ 62	28	44.265	+ 40	50	44.257	+ 39	61	44.229	+ 44	9
17	τ Piscium	29.4	4 46.810	— 5	46.757	+ 59	23	46.833	+ 35	3	46.762	+ 34	3	46.750	+ 36	8
18	υ Piscium	26.6	12 35.972	+ 4	35.918	+ 56	22	35.956	+ 34	7	35.923	+ 31	3	—	—	—
19	α Ursae min.	88.6	13 0.229	F	0.287	+100	....	59.837	+ 63	1633	59.239	+ 64	971	0.293	+ 82	13
20	δ Cassiopejae	59.6	17 39.253	+10	39.202	+ 80	60	39.242	+ 38	4	39.192	+ 64	4	—	—	—
21	ϑ Ceti	—8.8	17 46.570	— 1	46.531	+ 58	20	46.479	+ 67	113	46.508	+ 46	49	46.543	— 26	7
22	η Piscium	14.7	24 47.805	+ 1	47.756	+ 52	26	47.754	+ 46	167	47.762	+ 28	80	47.764	+ 16	10
23	υ Persei	48.0	30 19.725	+ 4	19.638	+ 70	52	19.629	+ 42	6	19.678	+ 53	6	19.667	+ 62	11
24	φ Persei	50.1	35 50.139	— 5	50.050	+ 70	52	50.056	+ 40	10	50.024	+ 55	10	—	—	—
25	ο Piscium	8.5	38 47.671	+10	47.609	+ 51	22	47.613	+ 50	28	47.616	+ 31	41	47.640	+ 6	9
26	ε Cassiopejae	63.1	45 25.310	+ 7	25.232	+ 81	44	25.326	+ 39	11	25.278	+ 65	17	—	—	—
27	α Trianguli	29.0	45 57.604	— 2	57.575	+ 56	20	57.577	+ 34	14	57.559	+ 32	5	—	—	—
28	γ Arietis	18.7	46 40.440	—12	40.371	+ 52	14	40.364	+ 40	7	—	—	—	—	—	—
29	ξ Piscium	2.6	47 5.130	—12	5.092	+ 52	19	5.062	+ 55	13	5.097	+ 35	5	—	—	—
30	β Arietis	20.2	47 44.261	—12	44.209	+ 53	29	44.212	+ 38	104	44.225	+ 27	49	44.230	+ 26	11
31	50 Cassiopejae	71.8	52 47.983	+ 5	47.884	+ 89	52	47.939	+ 54	12	48.036	+ 69	10	47.839	+ 82	10
32	γ Andromedae	41.6	56 13.999	— 3	13.915	+ 64	52	13.955	+ 40	34	13.957	+ 45	28	13.924	+ 56	11
33	α Arietis	22.9	2 0 7.795	F	7.778	+ 52	....	7.769	+ 33	131	7.755	+ 27	86	7.766	+ 31	8
34	β Trianguli	34.4	2 6.654	+ 4	6.601	+ 59	32	6.644	+ 36	4	6.605	+ 36	8	6.587	+ 47	5
35	ο Ceti	—3.5	13 1.965	+ 7	1.867	+ 52	28	1.929	+ 54	8	—	—	—	1.939	— 15	2
36	ι Cassiopejae	66.8	18 47.658	— 1	47.524	+ 82	60	47.549	+ 38	5	47.574	+ 65	22	47.507	+ 80	15
37	ξ² Ceti	7.9	21 30.887	+ 4	30.828	+ 48	24	30.839	+ 43	94	30.850	+ 30	28	30.872	+ 6	9
38	36 H. Cassiop.	72.3	26 11.500	—11	11.425	+ 87	50	11.619	+ 49	3	11.554	+ 68	7	—	—	—
39	δ Ceti	—0.2	33 4.588	+ 8	4.565	+ 49	31	4.584	+ 48	34	4.580	+ 34	20	4.568	— 8	6
40	ϑ Persei	48.7	35 40.289	0	40.221	+ 64	47	40.258	+ 30	7	40.244	+ 51	5	40.187	+ 65	8
41	γ Ceti	2.7	36 49.510	+ 2	49.446	+ 47	40	49.452	+ 44	90	49.435	+ 32	18	49.512	— 3	6
42	μ Ceti	9.6	38 11.187	+ 4	11.118	+ 46	17	11.144	+ 38	23	11.119	+ 27	6	—	—	—
43	η Persei	55.4	41 35.471	+ 5	35.432	+ 70	48	—	—	—	35.381	+ 56	6	—	—	—
44	41 Arietis	26.7	42 37.784	— 1	37.714	+ 50	30	37.750	+ 26	6	37.736	+ 27	4	37.712	+ 50	10
45	τ Persei	52.2	45 24.346	— 7	24.291	+ 66	51	24.326	+ 21	11	24.290	+ 54	11	24.285	+ 69	11
46	η Eridani	—9.4	50 19.299	+ 3	19.245	+ 51	28	19.263	+ 52	11	19.296	+ 42	5	—	—	—
47	α Ceti	3.6	55 44.781	F	44.739	+ 45	....	44.742	+ 39	91	44.744	+ 31	45	44.775	— 2	11
48	γ Persei	53.0	55 45.234	+ 7	45.177	+ 66	47	45.228	+ 24	6	45.173	+ 53	6	—	—	—
49	ϱ Persei	38.4	57 10.309	— 1	10.176	+ 55	37	10.328	+ 26	5	10.299	+ 39	4	10.248	+ 51	8
50	β Persei	40.5	3 0 2.502	— 1	2.420	+ 56	41	2.437	+ 26	15	2.449	+ 41	5	2.425	+ 54	11

Rectascensionen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	Decl.	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
51	ι Persei	49°.1	3h 0m 3s.329	+ 6	3s.251	+ 62	45	3s.278	+ 25	3	—	—	—	—	—	—
52	α Persei	49.4	15 24.448	F	24.383	+ 61	....	24.378	+ 20	58	24s.378	+ 49	37	24s.346	+ 62	12
53	o Tauri	8.6	18 5.281	+ 0	5.276	+ 42	28	5.247	+ 30	65	5.260	+ 26	20	5.288	+ 5	10
54	ξ Tauri	9.3	20 23.782	— 3	23.749	+ 42	26	23.776	+ 30	6	23.772	+ 25	11	23.765	+ 6	7
55	f Tauri	12.5	23 58.416	+ 9	58.370	+ 42	23	58.396	+ 26	48	58.402	+ 24	17	58.392	+ 10	7
56	ε Eridani	—9.9	27 2.518	+ 1	2.422	+ 47	25	2.489	+ 45	40	2.488	+ 41	22	2.539	— 29	8
57	δ Persei	47.4	34 1.943	— 0	1.866	+ 58	69	1.884	+ 19	8	1.859	+ 46	8	1.862	+ 58	9
58	o Persei	31.9	36 29.012	+ 2	28.966	+ 47	22	28.987	+ 13	20	28.993	+ 29	9	—	—	—
59	ν Persei	42.2	36 42.451	—16	42.410	+ 54	40	42.536	+ 19	2	42.424	+ 41	2	—	—	—
60	17 Tauri	23.7	37 27.310	+ 1	27.263	+ 43	26	27.320	+ 12	25	27.304	+ 22	7	—	—	—
61	η Tauri	23.7	40 3.401	— 3	3.339	+ 43	87	3.370	+ 11	115	3.382	+ 22	27	3.356	+ 26	8
62	27 Tauri	23.7	41 43.930	— 4	43.871	+ 43	64	43.903	+ 11	18	43.924	+ 22	11	—	—	—
63	ζ Persei	31.5	46 16.677	+ 3	16.664	+ 46	31	16.638	+ 10	6	16.643	+ 29	10	16.657	+ 37	2
64	ε Persei	39.6	49 28.219	— 7	28.157	+ 51	43	28.158	+ 17	7	28.122	+ 37	2	28.138	+ 48	4
65	ξ Persei	35.4	50 51.496	— 8	51.419	+ 48	29	51.510	+ 14	4	51.434	+ 31	3	—	—	—
66	λ Tauri	12.1	53 45.388	— 2	45.352	+ 39	22	45.354	+ 20	18	45.379	+ 22	12	45.397	+ 7	8
67	ν Tauri	5.6	56 30.471	— 3	30.478	+ 39	23	30.478	+ 25	6	—	—	—	—	—	—
68	Gr. 750	85.2	57 58.471	—10	58.228	+ 93	33	58.444	+ 65	5	58.148	+ 64	2	—	—	—
69	c Persei	47.4	59 35.568	— 2	35.489	+ 55	49	35.415	+ 14	3	—	—	—	35.546	+ 55	10
70	γ Tauri	15.3	4 12 40.872	+ 4	40.872	+ 37	28	40.862	+ 14	68	40.840	+ 20	18	40.867	+ 9	9
71	δ Tauri	17.2	15 43.642	— 7	43.621	+ 36	26	43.659	+ 11	7	43.660	+ 20	2	43.650	+ 12	9
72	ε Tauri	18.9	21 19.147	— 5	19.120	+ 38	30	19.129	+ 8	96	19.125	+ 19	22	19.150	+ 13	7
73	α Tauri	16.3	28 44.954	F·	44.891	+ 36	....	44.941	+ 10	215	44.942	+ 19	106	44.929	+ 8	8
74	ν Eridani	—3.6	30 4.432	+ 9	4.371	+ 38	10	4.351	+ 28	8	—	—	—	4.457	— 28	7
75	μ Eridani	—3.5	39 15.145	+ 5	15.111	+ 37	22	15.148	+ 26	58	15.157	+ 30	16	15.196	— 29	7
76	9 Camelopardi	66.1	41 38.177	+12	38.020	+ 67	50	38.156	+ 9	11	38.133	+ 57	5	38.121	+ 64	10
77	π^4 Orionis	5.4	44 32.947	+17	32.932	+ 35	28	32.950	+ 18	9	—	—	—	—	—	—
78	π^5 Orionis	2.2	47 44.446	— 1	44.439	+ 35	28	44.498	+ 20	6	—	—	—	—	—	—
79	ι Aurigae	33.0	48 51.336	—11	51.292	+ 41	24	51.336	+ 2	79	51.282	+ 26	18	51.276	+ 28	7
80	10 Camelopardi	60.3	52 18.386	0	18.302	+ 61	45	18.447	+ 1	2	18.326	+ 53	14	18.274	+ 59	5
81	ε Aurigae	43.6	53 0.119	+ 4	0.059	+ 48	38	59.979	+ 7	3	0.088	+ 37	7	0.100	+ 41	3
82	ζ Aurigae	40.9	53 44.601	+ 3	44.521	+ 45	32	44.635	+ 7	4	44.562	+ 39	3	44.573	+ 37	5
83	η Aurigae	41.1	57 45.095	+ 2	45.051	+ 45	61	45.076	+ 6	34	45.074	+ 34	16	—	—	—
84	β Eridani	—5.2	5 1 42.297	+ 2	42.275	+ 36	24	42.316	+ 25	11	42.228	+ 30	5	—	—	—
85	λ Eridani	—8.9	3 9.882	+ 6	9.876	+ 38	24	9.864	+ 29	4	—	—	—	9.936	— 42	5
86	α Aurigae	45.9	7 27.446	F	27.402	+ 49	....	27.431	+ 5	118	27.370	+ 40	68	27.356	+ 42	9
87	β Orionis	—8.3	8 31.853	F	31.824	+ 36	....	31.826	+ 27	173	31.842	+ 31	73	31.875	— 42	7
88	τ Orionis	—7.0	11 32.224	+10	32.193	+ 35	30	32.118	+ 26	3	—	—	—	32.278	— 40	7
89	η Orionis med.	—2.5	18 11.538	— 2	11.491	+ 34	24	11.527	+ 21	4	—	—	—	—	—	—
90	β Tauri	28.5	18 23.459	F	23.429	+ 36	....	23.458	— 4	131	23.446	+ 20	63	23.438	+ 17	8
91	γ Orionis	6.2	18 25.614	+13	25.576	+ 32	23	25.596	+ 13	3	25.572	+ 21	4	—	—	—
92	Gr. 966	75.0	23 1.302	— 1	1.288	+ 73	56	—	—	—	1.253	+ 59	17	1.197	+ 60	9
93	δ Orionis	—0.4	25 37.241	+10	37.228	+ 32	69	37.219	+ 19	79	37.222	+ 25	42	37.264	— 32	7
94	ϑ^1 Orionis	—5.5	29 8.092	+13	8.008	+ 34	17	7.993	+ 22	5	—	—	—	—	—	—
95	ϑ^2 Orionis	—5.5	29 14.591	+ 3	14.567	+ 34	7	14.721	+ 22	1	—	—	—	—	—	—
96	ι Orionis	—6.0	29 19.115	+12	19.105	+ 34	22	19.158	+ 23	5	—	—	—	—	—	—
97	ε Orionis	—1.3	29 52.244	— 1	52.206	+ 32	25	52.217	+ 19	62	52.223	+ 26	36	52.303	— 33	7
98	ζ Tauri	21.1	30 10.477	+ 2	10.449	+ 32	19	10.517	— 2	35	10.498	+ 14	16	—	—	—
99	σ Orionis	—2.7	32 28.257	— 1	28.218	+ 33	26	28.266	+ 20	4	—	—	—	28.319	— 37	7
100	κ Orionis	—9.7	41 49.687	+ 4	49.639	+ 35	25	49.642	+ 26	29	49.676	+ 33	32	—	—	—

Rectascensionen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	Decl.	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
101	ν Aurigae	39.1	$5^h 42^m 49^s.624$	+11	49s.509	+40	48	49s.406	+ 1	1	49s.641	+30	5	49s.630	+28	7
102	α Orionis	7.4	48 24.276	F	24.220	+30	....	24.276	+11	164	24.257	+19	89	24.306	−21	6
103	β Aurigae	44.9	50 21.627	+ 1	21.556	+45	47	21.612	2	32	21.570	+36	29	21.557	+35	6
104	ϑ Aurigae	37.2	51 11.879	+ 1	11.847	+39	43	11.916	0	3	11.864	+27	5	11.872	+24	5
105	η Geminorum	22.5	6 7 19.943	− 4	19.894	+30	33	19.965	− 6	81	19.933	+14	44	19.946	+ 2	8
106	μ Geminorum	22.6	15 23.887	+ 3	23.867	+30	37	23.883	− 6	89	23.886	+13	28	—	—	—
107	γ Geminorum	16.5	30 29.442	− 4	29.445	+26	23	29.398	0	84	29.394	+12	63	29.462	− 9	6
108	15 Monocerotis	10.0	34 5.637	+ 5	5.598	+26	22	5.690	+ 7	3	—	—	—	—	—	—
109	ε Geminorum	25.3	36 14.468	+ 5	14.420	+29	27	14.401	− 9	15	14.475	+13	4	—	—	—
110	ξ Geminorum	13.0	38 16.394	+ 5	16.371	+26	25	16.387	+ 3	15	16.416	+13	8	—	—	—
111	51 H. Cephei	87.2	41 15.556	....	15.555	+82	46	15.307	+65	208	14.808	+63	142	14.990	+80	23
112	ϑ Geminorum	34.1	44 32.961	− 4	32.904	+34	39	32.974	− 4	13	32.955	+21	13	32.992	+16	2
113	ζ Geminorum	20.8	56 41.666	+ 0	41.617	+27	29	41.685	− 5	51	41.654	+10	33	41.689	− 3	6
114	λ Geminorum	16.8	7 10 54.491	+ 4	54.493	+25	38	54.534	− 1	17	54.520	+11	5	54.513	− 8	7
115	δ Geminorum	22.2	12 39.367	+ 9	39.352	+27	23	39.384	− 6	100	39.377	+11	56	39.404	0	5
116	Gr. 1308	68.7	17 51.332	− 7	51.290	+61	47	51.358	+ 6	7	51.207	+50	10	—	—	—
117	ι Geminorum	28.0	17 57.684	+ 4	57.646	+30	30	57.685	− 8	16	57.660	+14	8	57.676	+ 9	7
118	β Canis min.	8.5	20 22.273	+ 0	22.268	+25	31	22.271	+ 8	66	22.275	+13	35	22.305	−21	4
119	α Geminorum	32.2	26 37.115	F	37.073	+32	....	37.103	− 6	128	37.077	+17	65	37.080	+16	19
120	α Canis min.*)	5.5	32 45.465	F	45.461	+26	....	45.453	+10	200	45.455	+16	133	45.471	−25	10
121	$\varkappa$ Geminorum	24.7	36 53.976	− 4	53.924	+28	32	53.958	− 9	11	53.948	+11	10	—	—	—
122	β Geminorum	28.3	37 39.887	F	39.861	+43	....	39.894	− 8	187	39.870	+14	115	39.893	+13	11
123	β Cancri	9.6	8 9 44.103	+ 1	44.090	+38	29	44.118	+ 8	52	44.110	+11	47	44.117	−12	5
124	Br. 1197	−3.5	19 24.841	+ 4	24.785	+41	28	24.786	+19	3	—	—	—	—	—	—
125	o Ursae maj.	61.1	19 51.777	+ 0	51.734	+54	47	51.743	− 4	1	51.772	+44	15	51.770	+59	6
126	δ Cancri	18.6	37 34.767	+ 1	34.728	+28	28	34.755	− 2	18	34.739	+17	28	34.775	+11	6
127	ι Cancri	29.2	39 7.803	− 1	7.759	+32	24	7.808	− 7	4	7.713	+12	3	—	—	—
128	ε Hydrae	6.9	40 9.333	+ 1	9.283	+28	29	9.309	+10	85	9.294	+12	46	9.340	− 8	3
129	ζ Hydrae	6.4	48 47.106	+ 4	47.082	+28	29	47.139	+10	7	—	—	—	47.109	− 7	4
130	ι Ursae maj.	48.5	50 38.486	− 6	38.472	+46	49	38.482	− 1	72	38.373	+33	36	38.431	+55	7
131	α Cancri	12.3	51 38.951	− 2	38.913	+28	28	38.942	+ 5	73	38.932	+ 8	27	—	—	—
132	10 Ursae maj.	42.2	52 31.159	+ 0	31.110	+42	43	31.156	+ 1	6	—	—	—	—	—	—
133	$\varkappa$ Ursae maj.	47.6	55 5.012	− 5	4.993	+46	56	5.000	0	8	—	—	—	4.907	+55	4
134	ϑ Hydrae	2.8	9 7 51.597	+ 2	51.578	+30	34	51.603	+13	8	—	—	—	51.599	− 8	7
135	38 Lyncis	37.3	11 3.649	− 5	3.610	+39	51	3.596	− 1	9	3.559	+20	5	3.606	+47	7
136	40 Lyncis	34.9	13 26.122	− 1	26.064	+38	51	26.083	− 2	7	26.150	+17	6	26.074	+45	5
137	1 H. Draconis	81.9	19 5.801	+33	5.533	+87	49	5.671	+78	6	5.543	+62	7	5.807	+89	16
138	α Hydrae	−8.1	21 26.680	F	26.656	+35	....	26.672	+23	96	26.672	+22	66	26.704	−23	4
139	h Ursae maj.	63.6	21 39.205	− 5	39.099	+61	48	38.957	− 1	6	39.120	+43	9	—	—	—
140	ϑ Ursae maj.	52.2	24 29.236	−20	29.187	+51	48	29.188	− 2	70	29.104	+35	39	—	—	—
141	o Leonis	10.5	34 28.691	− 4	28.650	+31	29	28.678	+ 8	70	28.677	+ 8	35	28.645	+15	4
142	ε Leonis	24.3	38 45.186	+ 1	45.172	+34	43	45.193	− 7	86	45.170	+ 7	46	45.176	+38	8
143	υ Ursae maj.	59.6	42 5.149	+12	5.071	+59	57	5.088	− 5	5	5.077	+41	12	5.042	+82	4
144	μ Leonis	26.6	45 39.109	− 4	39.018	+36	32	39.098	− 8	54	39.074	+ 8	30	39.043	+44	6
145	η Leonis	17.4	10 0 30.991	−13	30.997	+34	21	31.008	0	8	30.968	+ 5	10	30.919	+36	7
146	α Leonis	12.6	1 42.802	F	42.765	+33	....	42.800	+ 5	204	42.786	+ 6	122	42.781	+28	8
147	λ Ursae maj.	43.5	9 33.085	+ 3	33.022	+49	49	33.083	+ 1	5	33.102	+25	6	32.983	+73	5
148	ζ Leonis	24.0	9 44.126	0	44.045	+37	25	44.121	− 7	4	44.126	+ 6	3	—	—	—
149	μ Ursae maj.	42.1	14 52.558	+ 1	52.531	+48	50	52.551	+ 1	24	52.540	+23	18	52.499	+71	9
150	9 H. Draconis	76.4	24 24.668	+23	25.057	+80	44	24.269	+28	1	24.774	+49	13	24.665	+99	17

*) Rectascensionen des Schwerpuncts, vermittelst der Elem. V (Berliner Mon. Ber. 1873) abgeleitet.

Rectascensionen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	Decl.	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
151	ϱ Leonis	9°.9	10h 26m 13s.715	+ 0	13s.659	+ 35	23	13s.688	+ 7	96	13s.682	+ 7	40	13s.686	+ 25	10
152	46 Leonis min.	34.9	46 19.009	— 0	18.933	+ 45	26	19.021	— 3	15	18.974	+ 14	4	—	—	—
153	β Ursae maj.	57.1	54 17.194	+ 3	17.105	+ 63	62	17.186	— 6	7	17.137	+ 37	20	—	—	—
154	α Ursae maj.	62.4	55 59.905	0	59.864	+ 67	115	59.865	— 5	92	59.764	+ 40	66	59.762	+ 95	10
155	ψ Ursae maj.	45.2	11 2 37.792	0	37.724	+ 53	65	37.767	— 1	5	37.711	+ 26	18	37.681	+ 78	10
156	δ Leonis	21.2	7 27.505	+ 2	27.503	+ 39	60	27.505	— 6	102	27.489	+ 4	64	27.501	+ 45	9
157	ϑ Leonis	16.1	7 40.757	+ 1	40.726	+ 38	23	40.711	— 1	7	40.756	+ 4	4	—	—	—
158	ξ Urs. maj. med.	32.2	11 30.680	— 0	30.549	+ 45	24	30.636	— 7	13	30.731	+ 11	5	30.657	+ 60	10
159	ν Ursae maj.	33.8	11 43.435	+ 1	43.448	+ 47	23	43.675	— 5	3	43.462	+ 13	2	—	—	—
160	σ Leonis	6.7	14 41.442	— 0	41.390	+ 39	23	41.423	+ 7	59	41.424	+ 8	42	41.370	+ 20	4
161	ι Leonis	11.2	17 24.416	— 1	24.360	+ 38	29	24.411	+ 4	8	24.430	+ 6	9	—	—	—
162	λ Draconis	70.0	23 57.766	— 2	57.666	+ 76	57	57.744	+ 6	11	57.590	+ 45	22	57.600	+ 96	16
163	χ Ursae maj.	48.5	39 26.602	+ 3	26.558	+ 58	59	26.626	— 4	18	26.598	+ 29	20	26.509	+ 78	5
164	β Leonis	15.3	42 40.955	F	40.929	+ 40	....	40.952	— 2	124	40.950	+ 4	77	40.936	+ 32	7
165	β Virginis	2.5	44 11.023	F	10.980	+ 41	....	11.003	+ 10	50	11.028	+ 12	28	11.019	+ 10	5
166	γ Ursae maj.	54.4	47 14.847	F	14.808	+ 63	....	14.851	— 8	62	14.807	+ 34	55	14.786	+ 83	7
167	o Virginis	9.4	58 50.478	+ 2	50.521	+ 41	24	50.482	+ 3	14	50.478	+ 6	23	50.452	+ 20	5
168	4 H. Draconis	78.3	12 6 19.105	+13	18.941	+ 88	44	19.051	+ 32	4	19.057	+ 48	15	19.058	+ 92	15
169	δ Ursae maj.	57.7	9 13.885	+ 3	13.852	+ 67	62	13.937	— 10	12	13.858	+ 37	19	—	—	—
170	η Virginis	0.0	13 30.664	— 2	30.605	+ 44	39	30.641	+ 11	92	30.654	+ 13	49	30.692	— 1	5
171	ϰ Draconis	70.5	28 8.232	+ 7	8.078	+ 80	39	8.147	+ 5	20	8.107	+ 45	30	8.003	+ 83	4
172	γ Virginis med.	—0.8	35 19.635	+ 1	19.581	+ 45	22	19.622	+ 12	52	19.576	+ 15	47	19.625	— 9	5
173	ε Ursae maj.	56.6	48 31.484	+ 2	31.430	+ 68	60	31.394	— 9	6	31.420	+ 37	8	31.404	+ 69	5
174	δ Virginis	4.1	49 18.433	+ 6	18.393	+ 45	22	18.419	+ 7	131	18.418	+ 12	59	—	—	—
175	12 Can. ven. seq.	39.0	50 10.714	— 3	10.634	+ 55	21	10.701	— 5	26	10.718	+ 20	25	10.644	+ 48	5
176	ε Virginis	11.6	55 57.276	+ 1	57.230	+ 44	21	57.261	+ 1	92	57.264	+ 6	117	57.300	+ 7	5
177	43 Comae Beren.	28.5	13 6 2.343	+ 1	2.331	+ 49	20	2.359	— 11	4	2.334	+ 9	1	2.331	+ 30	5
178	ζ Urs. maj. pr.	55.6	18 53.351	+ 9	53.325	+ 68	61	53.294	— 8	5	53.333	+ 38	11	53.298	+ 63	2
179	ζ Virginis	0.0	28 19.466	+ 1	19.441	+ 47	27	19.454	+ 13	144	19.465	+ 15	91	19.519	— 19	4
180	τ Bootis	18.1	41 19.340	+ 3	19.326	+ 46	14	19.328	— 2	66	19.312	+ 5	23	—	—	—
181	η Ursae maj.	49.9	42 36.814	F	36.799	+ 64	....	36.848	— 2	87	36.772	+ 33	71	36.752	+ 54	5
182	η Bootis	19.0	48 43.969	+ 2	43.962	+ 48	56	43.978	— 2	119	43.966	+ 6	70	43.990	+ 13	5
183	τ Virginis	2.2	55 17.143	+ 3	17.102	+ 48	29	17.120	+ 15	84	17.135	+ 15	29	17.209	— 18	4
184	α Draconis	65.0	14 1 0.321	— 3	0.271	+ 78	59	0.382	+ 2	26	0.306	+ 45	29	0.365	+ 65	5
185	ϰ Virginis	—9.7	6 13.766	+ 6	13.771	+ 52	16	13.755	+ 29	52	13.767	+ 25	25	—	—	—
186	ι Virginis	—5.4	9 27.660	+ 7	27.608	+ 50	23	27.658	+ 25	6	27.637	+ 20	5	—	—	—
187	α Bootis	19.8	9 57.621	F	57.651	+ 48	....	57.607	+ 2	235	57.590	+ 6	164	57.598	+ 13	5
188	λ Bootis	46.7	11 37.872	+ 6	37.800	+ 63	53	37.878	+ 6	8	37.848	+ 32	8	—	—	—
189	ι Bootis	51.9	11 44.305	— 9	44.268	+ 67	14	44.386	+ 3	7	44.363	+ 37	1	—	—	—
190	ϑ Bootis	52.4	20 56.480	— 5	56.442	+ 68	56	56.484	+ 7	6	56.430	+ 37	21	56.444	+ 56	5
191	φ Virginis	—1.7	21 45.793	+12	45.711	+ 49	14	45.746	+ 26	13	—	—	—	—	—	—
192	ϱ Bootis	30.9	26 26.582	+ 0	26.522	+ 53	28	26.568	+ 4	97	26.544	+ 14	28	26.575	+ 29	4
193	γ Bootis	38.9	27 2.664	+11	2.601	+ 57	38	2.638	+ 10	9	—	—	—	2.631	+ 40	5
194	π Bootis pr.	17.0	34 51.132	+ 2	51.048	+ 46	22	51.076	+ 14	10	—	—	—	51.164	+ 9	5
195	ζ Bootis med.	14.3	35 10.815	+ 0	10.727	+ 46	24	10.774	+ 17	15	10.764	+ 9	5	10.843	+ 5	4
196	μ Virginis	—5.1	36 28.460	+ 3	28.390	+ 50	22	28.394	+ 35	8	28.446	+ 22	1	—	—	—
197	109 Virginis	2.4	39 55.828	+ 0	55.759	+ 47	24	55.747	+ 30	5	—	—	—	55.857	— 16	5
198	β Ursae min.	74.7	51 5.440	+11	5.351	+ 89	102	5.367	+ 41	87	5.330	+ 53	77	5.340	+ 70	12
199	β Bootis	40.9	57 14.276	+ 1	14.222	+ 59	40	14.246	+ 21	27	14.235	+ 27	24	14.246	+ 43	5
200	β Librae	—8.9	15 10 16.961	0	16.887	+ 52	49	16.892	+ 47	106	16.905	+ 28	46	16.887	— 34	4

Rectascensionen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	Decl.	Pulkowa 1865	Pulkowa 1845			Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red. Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
201	δ Bootis	33°8	15h 10m 27s.826	+ 0	27s.784	+ 54 22	27s.827	+ 20	20	27s.748	+ 20	14	27s.793	+ 35	4
202	μ Bootis	37.8	19 46.114	+ 0	46.006	+ 57 31	46.048	+ 25	23	46.097	+ 24	10	—	—	—
203	γ Ursae min.	72.3	20 56.530	— 9	56.591	+ 85 48	56.621	+ 41	5	56.373	+ 53	22	56.509	+ 73	10
204	ι Draconis	59.4	22 9.032	+ 7	8.994	+ 74 56	8.990	+ 20	3	9.033	+ 46	9	—	—	—
205	β Coronae	29.5	22 40.558	— 0	40.504	+ 52 28	40.544	+ 18	10	40.564	+ 16	2	40.494	+ 31	4
206	ν^1 Bootis	41.3	26 26.396	+ 1	26.338	+ 59 36	26.438	+ 26	8	—	—	—	26.360	+ 48	5
207	ν^2 Bootis	41.3	27 18.524	+ 1	18.429	+ 59 29	18.558	+ 26	6	—	—	—	18.504	+ 48	5
208	ϑ Coronae	31.8	27 53.358	+ 1	53.223	+ 53 23	53.363	+ 20	5	—	—	—	—	—	—
209	α Coronae	27.1	29 23.761	F	23.727	+ 50	23.749	+ 17	171	23.726	+ 15	92	23.715	+ 29	5
210	ζ Coronae seq.	37.0	34 40.274	+ 3	40.155	+ 56 36	40.195	+ 24	3	40.225	+ 25	5	—	—	—
211	γ Coronae	26.7	37 29.639	+ 2	29.578	+ 50 16	29.672	+ 17	3	29.637	+ 15	3	—	—	—
212	α Serpentis	6.8	38 6.711	F	6.673	+ 47	6.681	+ 35	138	6.680	+ 18	74	6.705	— 1	4
213	β Serpentis	15.8	40 25.144	+ 4	25.067	+ 46 34	25.055	+ 26	1	25.152	+ 13	5	25.134	+ 14	5
214	μ Serpentis	—3.0	43 5.887	+ 1	5.831	+ 48 29	5.829	+ 43	6	—	—	—	5.839	— 19	5
215	$\varkappa$ Serpentis	18.5	43 6.844	— 0	6.795	+ 46 22	6.842	+ 23	3	6.777	+ 12	5	—	—	—
216	ε Serpentis	4.9	44 35.155	+ 1	35.077	+ 46 25	35.102	+ 36	59	35.126	+ 19	42	35.151	— 4	3
217	ζ Ursae min.	78.2	48 33.803	+44	33.582	+ 92 47	33.724	+ 60	41	33.734	+ 57	35	33.860	+ 79	11
218	γ Serpentis	16.1	50 40.810	— 1	40.751	+ 45 30	40.788	+ 26	57	40.798	+ 13	32	40.783	+ 17	2
219	ε Coronae	27.2	52 24.776	+ 1	24.715	+ 49 19	24.810	+ 17	5	24.766	+ 16	10	—	—	—
220	ϑ Draconis	58.9	59 32.979	— 3	33.010	+ 72 50	33.054	+ 20	15	33.017	+ 48	15	32.856	+ 72	5
221	φ Herculis	45.3	16 4 49.871	+ 4	49.686	+ 61 58	49.814	+ 26	6	—	—	—	—	—	—
222	δ Ophiuchi	—3.4	7 47.782	— 2	47.714	+ 48 61	47.726	+ 43	105	47.739	+ 26	75	47.776	— 17	5
223	ε Ophiuchi	—4.4	11 42.521	— 0	42.452	+ 48 31	42.462	+ 44	24	42.480	+ 28	5	42.530	— 17	5
224	τ Herculis	46.6	15 59.040	+ 5	58.934	+ 61 46	58.933	+ 24	35	59.048	+ 38	25	—	—	—
225	γ Herculis	19.4	16 24.378	+ 0	24.313	+ 46 35	24.371	+ 22	70	24.363	+ 14	36	24.358	+ 26	2
226	η Draconis	61.8	22 18.166	—26	18.255	+ 73 48	18.253	+ 20	51	18.082	+ 51	20	18.097	+ 78	3
227	λ Ophiuchi	2.3	24 36.585	+ 0	36.545	+ 45 24	36.569	+ 37	31	36.555	+ 23	16	36.599	— 2	6
228	β Herculis	21.8	24 50.821		0 50.746	+ 45 29	50.784	+ 18	10	50.775	+ 15	10	—	—	—
229	A Draconis	69.0	28 14.068	+ 9	13.917	+ 79 25	14.019	+ 30	8	14.034	+ 56	17	14.186	+ 84	6
230	σ Herculis	42.7	30 4.447	+ 2	4.386	+ 57 30	4.430	+ 24	5	4.436	+ 34	6	—	—	—
231	ξ Herculis	31.8	36 34.498	+ 1	34.448	+ 50 30	34.485	+ 17	79	34.474	+ 23	51	34.432	+ 48	5
232	η Herculis	39.2	38 36.684	— 1	36.658	+ 54 46	36.671	+ 23	13	36.661	+ 31	5	36.700	+ 58	5
233	$\varkappa$ Ophiuchi	9.6	51 45.129	— 2	45.056	+ 42 26	45.101	+ 30	93	45.109	+ 18	66	45.112	+ 16	5
234	ε Herculis	31.1	55 30.452	— 0	30.398	+ 48 32	30.472	+ 16	30	30.441	+ 22	34	30.469	+ 50	5
235	ε Ursae min.	82.2	58 50.829	+12	50.701	+ 89 49	50.736	+ 59	58	50.709	+ 62	18	50.781	+ 80	14
236	ζ Draconis	65.9	17 8 25.710	+11	25.621	+ 73 44	25.748	+ 24	5	25.670	+ 57	8	—	—	—
237	α Herculis	14.5	8 56.899	F	56.845	+ 40	56.896	+ 24	94	56.872	+ 18	60	56.891	+ 28	5
238	δ Herculis	25.0	9 53.844	+ 6	53.835	+ 43 16	53.933	+ 14	10	53.875	+ 19	4	—	—	—
239	π Herculis	37.0	10 41.635	+ 4	41.582	+ 50 41	41.628	+ 21	11	41.608	+ 31	11	41.639	+ 62	5
240	β Draconis	52.4	27 36.563	— 4	36.517	+ 60 66	36.577	+ 21	57	36.512	+ 48	39	36.493	+ 81	5
241	α Ophiuchi	12.7	29 7.951	F	7.891	+ 39	7.939	+ 28	194	7.924	+ 20	135	7.994	+ 28	5
242	ν^1 Draconis	55.3	29 42.915	— 2	42.946	+ 63 34	42.941	+ 19	3	—	—	—	—	—	—
243	ν^2 Draconis	55.3	29 48.285	— 1	48.242	+ 63 32	48.398	+ 19	3	—	—	—	—	—	—
244	ι Herculis	46.1	35 56.237	+26	56.219	+ 56 48	56.197	+ 25	12	56.203	+ 42	4	—	—	—
245	β Ophiuchi	4.6	37 17.876	+ 0	17.830	+ 40 32	17.834	+ 35	126	17.838	+ 25	101	—	—	—
246	μ Herculis	27.8	41 34.039	— 4	34.020	+ 43 22	34.041	+ 28	101	34.009	+ 23	109	33.966	+ 50	3
247	γ Ophiuchi	2.8	41 37.522	+ 1	37.463	+ 39 33	37.472	+ 38	12	—	—	—	—	—	—
248	ξ Draconis	56.9	51 22.135	— 9	22.161	+ 64 51	22.381	+ 22	4	22.162	+ 51	2	—	—	—
249	ϑ Herculis	37.3	51 57.994	— 1	57.932	+ 48 26	57.909	+ 25	3	—	—	—	—	—	—
250	ν Ophiuchi	—9.8	52 8.734	+ 0	8.699	+ 44 21	8.608	+ 51	7	—	—	—	—	—	—

Rectascensionen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	Decl.	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
251	ξ Herculis	29°3	17h 52m 54s.482	— 4	54s.427	+ 43	16	54s.534	+ 19	3	54s.427	+ 25	2	—	—	—
252	γ Draconis	51.5	53 42.264	F	42.195	+ 57	....	42.195	+ 25	102	42.175	+ 49	59	42s.140	+ 81	4
253	67 Ophiuchi	2.9	54 23.103	— 4	23.148	+ 38	20	23.128	+ 40	4	23.080	+ 28	7	—	—	—
254	72 Ophiuchi	9.5	18 1 25.420	0	25.398	+ 37	22	25.381	+ 35	145	25.404	+ 23	114	—	—	—
255	o Herculis	28.7	2 40.033	0	39.978	+ 42	21	39.988	+ 20	9	39.990	+ 25	3	40.014	+ 53	4
256	δ Ursae min.	86.6	12 39.315	....	39.203	+ 84	265	39.336	+ 75	205	38.984	+ 63	146	39.162	+ 80	19
257	η Serpentis	—2.9	14 50.524	+ 1	50.494	+ 39	21	50.470	+ 49	71	50.502	+ 32	21	50.532	+ 1	3
258	109 Herculis	21.7	18 22.311	— 0	22.278	+ 38	22	22.284	+ 28	4	22.241	+ 22	2	22.262	+ 43	5
259	χ Draconis	72.7	23 18.526	+ 8	18.399	+ 66	43	18.545	+ 51	11	18.581	+ 64	7	18.552	+ 97	3
260	α Lyrae	38.7	32 42.391	F	42.376	+ 46	....	42.371	+ 37	197	42.343	+ 37	201	42.272	+ 67	4
261	ε Lyrae a. pr.	39.5	40 11.931	+ 0	11.833	+ 47	28	11.786	+ 41	5	11.887	+ 37	5	—	—	—
262	5 Lyrae med.	39.5	40 14.261	+ 0	14.219	+ 47	24	14.245	+ 41	6	—	—	—	—	—	—
263	110 Herculis	20.4	40 16.955	+11	16.934	+ 37	22	16.949	+ 37	6	—	—	—	16.881	+ 42	5
264	β Lyrae	33.2	45 27.928	— 3	27.880	+ 43	39	27.906	+ 36	188	27.889	+ 31	79	27.847	+ 59	4
265	o Draconis seq.	59.2	49 21.390	—28	21.246	+ 61	12	21.344	+ 36	6	21.349	+ 57	4	—	—	—
266	ϑ Serpentis pr.	4.0	50 0.336	— 1	0.274	+ 35	22	0.296	+ 53	2	—	—	—	—	—	—
267	ε Aquilae	14.9	53 56.990	— 3	56.964	+ 34	23	56.936	+ 44	136	56.931	+ 23	84	56.946	+ 33	6
268	γ Lyrae	32.5	54 16.080	— 0	16.030	+ 41	22	16.028	+ 36	18	16.046	+ 30	6	—	—	—
269	λ Aquilae	—5.1	59 36.904	+ 2	36.892	+ 38	22	36.838	+ 62	11	36.836	+ 36	11	—	—	—
270	ζ Aquilae	13.7	59 39.905	— 5	39.845	+ 34	34	39.857	+ 46	190	39.877	+ 24	103	39.883	+ 31	6
271	δ Draconis	67.4	19 12 31.289	+11	31.158	+ 68	58	31.185	+ 47	16	31.307	+ 62	12	31.289	+ 93	9
272	κ Cygni	53.1	14 12.827	— 7	12.772	+ 56	51	12.829	+ 40	40	12.767	+ 52	22	12.692	+ 83	7
273	τ Draconis	73.1	17 56.721	— 4	56.654	+ 78	50	56.738	+ 62	10	56.640	+ 66	7	—	—	—
274	δ Aquilae	2.9	19 11.761	— 1	11.713	+ 35	31	11.692	+ 57	112	11.698	+ 31	57	11.757	+ 10	7
275	β Cygni	27.7	25 40.845	— 0	40.792	+ 39	29	40.798	+ 37	1	40.831	+ 27	20	40.796	+ 50	10
276	ι Cygni	51.5	26 33.250	— 4	33.232	+ 54	62	33.302	+ 42	7	33.231	+ 52	3	—	—	—
277	γ Aquilae	10.3	40 19.015	F	18.985	+ 35	....	18.979	+ 51	191	18.977	+ 26	103	18.999	+ 22	6
278	δ Cygni	44.8	41 4.108	+ 3	4.073	+ 51	87	4.110	+ 44	43	4.056	+ 46	26	—	—	—
279	δ Sagittae	18.2	41 48.860	+ 8	48.813	+ 36	20	48.741	+ 42	7	—	—	—	48.823	+ 35	7
280	α Aquilae	8.5	44 41.062	F	41.035	+ 35	....	41.023	+ 52	251	41.024	+ 27	111	41.019	+ 18	6
281	η Aquilae	0.7	46 6.288	+ 1	6.230	+ 37	21	6.249	+ 58	18	—	—	—	6.301	+ 4	6
282	ε Draconis	69.9	48 35.245	+ 5	35.097	+ 72	59	35.174	+ 52	58	35.184	+ 66	15	35.224	+ 92	10
283	β Aquilae	6.1	49 10.382	F	10.338	+ 36	....	10.334	+ 53	149	10.358	+ 30	58	10.385	+ 14	4
284	λ Ursae min.	88.9	49 16.660	....	16.352	+ 82	21	17.645	+ 66	110	16.272	+ 64	127	17.632	+ 81	20
285	ψ Cygni	52.1	52 23.886	+ 6	23.821	+ 56	48	23.824	+ 40	3	23.867	+ 54	7	—	—	—
286	γ Sagittae	19.2	53 11.903	+ 1	11.878	+ 37	27	11.854	+ 40	6	—	—	—	—	—	—
287	ϑ Aquilae	—1.2	20 4 51.274	+ 0	51.227	+ 37	28	51.229	+ 59	90	51.249	+ 35	68	51.301	0	7
288	o^1 seq. Cygni	46.4	9 41.760	+ 3	41.692	+ 52	49	41.750	+ 42	6	41.671	+ 48	7	—	—	—
289	γ Cygni	39.9	17 44.578	+ 0	44.551	+ 48	48	44.543	+ 42	26	44.535	+ 41	14	44.504	+ 62	9
290	ε Delphini	10.9	27 14.459	+ 0	14.443	+ 36	27	14.427	+ 47	112	14.444	+ 27	43	14.446	+ 18	10
291	ϑ Cephei	62.6	27 28.900	— 1	28.814	+ 66	63	28.815	+ 38	45	28.839	+ 62	20	—	—	—
292	β Delphini	14.2	31 41.266	— 0	41.195	+ 37	30	41.173	+ 43	18	—	—	—	41.222	+ 24	11
293	α Delphini	15.5	33 49.923	+ 2	49.890	+ 37	38	49.897	+ 41	80	49.897	+ 26	45	49.929	+ 27	11
294	α Cygni	44.8	37 10.270	F	10.254	+ 53	....	10.250	+ 40	78	10.223	+ 48	51	10.228	+ 67	11
295	δ Delphini	14.6	37 37.398	+ 1	37.364	+ 37	20	37.382	+ 42	11	37.361	+ 26	4	—	—	—
296	γ Delphini seq.	15.7	40 51.565	— 0	51.504	+ 37	35	51.577	+ 40	12	51.570	+ 26	12	—	—	—
297	ε Aquarii	—10.0	40 54.515	— 1	54.445	+ 43	20	54.433	+ 64	83	54.462	+ 44	34	—	—	—
298	ε Cygni	33.5	41 9.262	+ 2	9.204	+ 45	18	9.207	+ 36	5	9.238	+ 34	5	9.184	+ 51	9
299	η Cephei	61.4	42 44.674	+ 2	44.613	+ 66	64	44.629	+ 35	53	44.578	+ 62	17	44.615	+ 83	8
300	ν Cygni	40.7	52 30.834	+ 1	30.811	+ 49	45	30.785	+ 39	14	—	—	—	30.794	+ 60	10

Rectascensionen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	Decl.	Pulkowa 1865	Pulkowa 1845 Corr.	AR	Red.	Beob.	Greenw. 1861 AR	Red.	Beob.	Greenw. 1872 AR	Red.	Beob.	Cambr. 1872 AR	Red.	Beob.
301	ξ Cygni	43°.4	21h 0m23s.106	+ 0	23s.075	+ 53	45	23s.115	+ 38	37	23s.095	+ 46	27	—	—	—
302	61 Cygni pr.	38.1	1 17.704	— 5	17.556	+ 49	37	17.633	+ 37	70	17.699	+ 40	19	17s.670	+ 56	10
303	ζ Cygni	29.7	7 37.004	— 1	36.974	+ 45	28	36.990	+ 29	130	36.977	+ 31	93	36.984	+ 44	12
304	α Equulei	4.7	9 34.487	— 0	34.481	+ 40	19	34.443	+ 47	72	34.473	+ 32	27	—	—	—
305	τ Cygni	37.5	9 48.145	+ 1	48.081	+ 49	40	48.092	+ 35	9	48.126	+ 39	5	48.111	+ 54	10
306	α Cephei	62.1	15 35.717	— 0	35.663	+ 69	114	35.646	+ 32	89	35.634	+ 62	67	35.623	+ 79	12
307	β Aquarii	—6.1	24 58.676	— 0	58.623	+ 44	72	58.587	+ 56	104	58.612	+ 40	56	58.687	— 18	7
308	β Cephei	70.0	27 2.477	— 1	2.381	+ 77	115	2.416	+ 43	85	2.337	+ 67	37	2.407	+ 81	20
309	ε Pegasi	9.3	38 2.824	— 0	2.761	+ 41	32	2.778	+ 41	119	2.782	+ 29	60	2.808	+ 8	11
310	κ Pegasi	25.1	38 59.130	0	59.058	+ 44	21	59.160	+ 25	1	59.047	+ 28	5	—	—	—
311	α Aquarii	—0.9	59 21.792	F	21.752	+ 45	....	21.742	+ 47	112	21.763	+ 37	52	21.800	— 14	12
312	ι Pegasi	24.7	22 1 11.593	+ 0	11.514	+ 46	23	11.535	+ 22	36	11.565	+ 28	12	11.563	+ 30	11
313	27 Pegasi	32.6	3 41.417	+ 2	41.352	+ 50	23	41.334	+ 25	5	41.402	+ 34	5	—	—	—
314	ϑ Pegasi	5.6	3 53.671	+ 6	53.634	+ 44	21	53.596	+ 41	15	—	—	—	53.676	— 2	10
315	π Pegasi	32.6	4 26.247	+ 1	26.186	+ 50	27	26.257	+ 25	6	26.242	+ 35	6	—	—	—
316	ζ Cephei	57.6	6 31.185	+10	31.066	+ 70	57	31.110	+ 24	8	31.130	+ 60	3	31.112	+ 70	12
317	γ Aquarii	—2.0	15 11.979	+ 0	11.932	+ 47	30	11.932	+ 45	79	11.931	+ 38	37	11.960	— 17	8
318	δ Cephei	57.8	24 31.982	+ 8	31.939	+ 71	36	31.948	+ 21	10	31.894	+ 60	1	—	—	—
319	7 Lacertae	49.6	26 8.676	+ 3	8.617	+ 64	43	8.583	+ 35	16	8.636	+ 54	14	8.644	+ 61	6
320	η Aquarii	—0.8	28 55.970	— 2	55.938	+ 47	27	55.918	+ 43	97	55.936	+ 37	48	55.973	— 14	10
321	ξ Pegasi	10.2	35 13.687	—11	13.678	+ 46	30	13.665	+ 33	82	13.675	+ 30	28	13.694	+ 4	10
322	η Pegasi	29.6	37 8.672	— 0	8.645	+ 52	39	8.675	+ 17	5	8.663	+ 33	5	8.655	+ 34	12
323	λ Pegasi	22.9	40 30.691	— 0	30.667	+ 49	35	30.689	+ 18	3	30.684	+ 28	8	30.683	+ 25	11
324	μ Pegasi	23.9	43 58.304	— 1	58.263	+ 50	24	58.264	+ 17	60	58.278	+ 28	35	58.272	+ 27	10
325	ι Cephei	65.5	45 14.110	+ 5	13.983	+ 79	45	14.067	+ 25	10	14.045	+ 66	4	14.028	+ 73	7
326	λ Aquarii	—8.2	46 5.565	—13	5.486	+ 52	20	5.488	+ 47	55	5.490	+ 44	28	5.543	— 30	3
327	o Andromedae	41.7	56 10.385	+ 4	10.335	+ 61	42	10.406	+ 25	4	10.356	+ 46	7	10.332	+ 49	10
328	β Pegasi	27.4	57 43.002	+ 4	42.928	+ 52	20	42.973	+ 16	8	42.949	+ 31	4	—	—	—
329	α Pegasi	14.5	58 32.117	F	32.068	+ 48	....	32.077	+ 27	101	32.092	+ 28	46	32.109	+ 11	12
330	γ Piscium	2.6	23 10 41.112	— 3	41.071	+ 50	27	41.083	+ 36	121	41.091	+ 35	37	41.160	— 10	8
331	λ Andromedae	45.8	31 27.070	+ 2	27.070	+ 67	47	27.156	+ 26	3	—	—	—	27.016	+ 54	10
332	ι Andromedae	42.6	32 0.613	— 8	0.574	+ 64	40	0.619	+ 26	28	0.565	+ 48	7	—	—	—
333	ι Piscium	4.9	33 31.291	+ 7	31.236	+ 51	19	31.225	+ 36	106	31.262	+ 35	53	31.331	— 7	5
334	γ Cephei	76.9	34 14.029	— 0	13.867	+ 95	47	13.941	+ 57	44	13.897	+ 73	38	13.967	+ 75	13
335	κ Andromedae	43.6	34 15.365	— 7	15.326	+ 65	49	15.352	+ 26	3	—	—	—	—	—	—
336	ω Piscium	6.2	52 53.584	+ 3	53.535	+ 52	25	53.537	+ 39	127	53.554	+ 34	51	53.578	— 5	8

II. Zusatzsterne.

			Pulkowa 1871													
337	22 Andromedae	45.4	0 3 49.778	—	—	—	—	49.788	+ 32	3	—	—	—	49.743	+ 53	10
338	Br. 6	76.3	9 10.298	—	—	—	—	9.908	+ 61	5	10.145	+ 72	12	—	—	—
339	12 Ceti	—4.6	23 39.588	—	—	—	—	39.543	+ 55	75	39.545	+ 42	38	39.617	— 22	4
340	21 Cassiopejae	74.3	37 25.753	—	—	—	—	25.771	+ 61	15	25.630	+ 72	6	25.907	+ 77	3
341	o Cassiopejae	47.6	37 46.025	—	—	—	—	45.926	+ 39	3	45.940	+ 54	8	—	—	—
342	δ Piscium	6.9	42 11.959	+ 1	11.780	+ 53	3	11.831	+ 50	34	11.851	+ 33	28	—	—	—
343	Br. 82	63.6	43 9.535	—	—	—	—	9.327	+ 38	5	—	—	—	—	—	—
344	43 H. Cephei	85.6	52 1.140*)	—	—	—	—	1.073	+ 63	6	1.051	+ 75	3	—	—	—
345	44 H. Cephei	79.0	1 1 32.930	—	—	—	—	32.979	+ 81	3	32.953	+ 74	2	—	—	—

*) Am Passagen-Instrument beobachtet (1862).

Rectascensionen für 1875.0. II. Zusatzsterne.

Nr.	Stern	Decl.	Pulkowa 1871	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
346	ψ Cassiopejae	67°.5	1h 17m 7s.660	—	—	—	—	7s.586	+47	5	7s.642	+69	1	—	—	—
347	40 Cassiopejae	72.4	28 33.879	—	—	—	—	33.928	+58	6	33.868	+70	11	—	—	—
348	43 Cassiopejae	67.4	33 6.497	—	—	—	—	6.565	+45	7	6.456	+67	8	—	—	—
349	ν Piscium	4.9	34 55.669	—	—	—	—	55.592	+52	121	55.599	+34	101	55s.634	— 1	7
350	55 Cassiopejae	65.9	2 4 41.797	—	—	—	—	41.909	+41	7	41.802	+65	4	41.813	+79	5
351	6 Persei	50.5	5 18.094	—	—	—	—	18.134	+37	9	18.012	+54	5	18.037	+67	3
352	γ Trianguli	33.3	9 53.277	—	—	—	—	53.254	+33	5	—	—	—	53.247	+46	6
353	67 Ceti	—7.0	10 44.990	—	—	—	—	44.906	+59	65	44.920	+42	29	44.971	— 20	5
354	ϑ Arietis	19.3	11 10.514	— 1	10s.435	+51	2	10.483	+35	9	10.513	+25	6	—	—	—
355	ν Arietis	21.4	31 43.279	—	—	—	—	43.229	+28	13	43.238	+24	5	43.279	+29	9
356	Br. 366	67.3	34 6.002	—	—	—	—	5.902	+35	6	5.849	+64	10	—	—	—
357	35 Arietis	27.2	36 7.248	—	—	—	—	7.133	+23	5	7.166	+28	3	—	—	—
358	47 H. Cephei	78.9	49 33.752	—	—	—	—	33.851	+67	5	33.410	+70	4	33.511	+83	9
359	δ Arietis	19.3	3 4 28.983	— 1	29.023	+46	3	29.001	+23	84	29.006	+23	38	29.004	+25	4
360	48 H. Cephei	77.3	4 32.197	—	—	—	—	32.194	+57	3	31.913	+68	16	31.848	+82	8
361	2 H. Camelop.	59.5	18 57.675	—	—	—	—	57.729	+17	6	—	—	—	—	—	—
362	σ Persei	47.6	21 46.156	—	—	—	—	46.135	+21	6	—	—	—	—	—	—
363	Gr. 716	62.8	31 19.604	—	—	—	—	19.488	+16	5	19.476	+59	4	19.426	+74	9
364	5 H. Camelop.	70.9	37 11.703	—	—	—	—	—	—	—	11.691	+63	8	—	—	—
365	9 H. Camelop.	60.7	46 29.538	—	—	—	—	29.539	+13	2	29.513	+57	4	29.516	+70	6
366	o^1 Eridani	—7.2	4 5 45.926	—	—	—	—	45.838	+35	27	45.854	+36	14	45.901	— 30	8
367	54 Persei	34.3	12 17.804	—	—	—	—	17.796	+ 9	3	17.854	+29	2	—	—	—
368	1 Camelop. seq.	53.6	22 8.152*)	—	—	—	—	8.412	+ 7	4	—	—	—	8.166	+58	9
369	Gr. 848	75.7	32 2.944	—	—	—	—	3.158	+35	1	2.780	+62	4	—	—	—
370	τ Tauri	22.7	34 44.627	— 1	44.613	+38	1	44.608	+ 2	22	44.632	+19	9	44.653	+17	7
371	4 Camelopardi	56.5	37 35.798	—	—	—	—	35.855	+ 3	3	35.850	+51	7	35.798	+59	8
372	ι Tauri	21.4	55 37.488	— 1	37.482	+34	2	37.553	+ 2	10	37.516	+16	7	37.504	+12	6
373	19 H. Camelop.	79.1	5 1 59.809	—	—	—	—	59.493	+43	6	59.518	+62	4	—	—	—
374	μ Aurigae	38.3	4 52.580	—	—	—	—	52.611	+ 5	5	52.544	+31	5	52.545	+32	7
375	17 Camelopardi	63.0	18 22.119	—	—	—	—	22.122	+ 1	4	22.127	+53	7	—	—	—
376	φ^1 Orionis	9.4	27 57.531	—	—	—	—	57.497	+12	5	—	—	—	—	—	—
377	o Aurigae	49.8	36 13.070	—	—	—	—	13.046	+ 1	4	13.082	+42	2	13.049	+42	6
378	130 Tauri	17.7	40 8.955	—	—	—	—	8.823	0	8	—	—	—	—	—	—
379	δ Aurigae	54.3	49 14.100	—	—	—	—	14.130	— 3	5	14.063	+45	10	—	—	—
380	66 Orionis	4.2	58 22.171	—	—	—	—	22.110	+12	2	—	—	—	—	—	—
381	36 Camelopardi	65.7	6 0 16.488	—	—	—	—	16.280	+ 1	5	16.396	+52	2	—	—	—
382	ν Orionis	14.8	0 26.116	—	—	—	—	26.080	+ 2	41	26.098	+14	23	26.130	— 9	8
383	22 H. Camelop.	69.4	5 4.125	— 1	4.124	+64	4	4.040	+ 8	3	4.109	+55	5	4.075	+52	13
384	2 Lyncis	59.1	8 35.546	— 4	35.586	+55	1	35.700	— 5	4	—	—	—	—	—	—
385	ψ^1 Aurigae	49.3	15 16.232	—	—	—	—	16.201	— 1	3	—	—	—	—	—	—
386	8 Monocerotis	4.7	17 8.683	—	—	—	—	8.685	+12	4	—	—	—	—	—	—
387	23 H. Camelop.	79.7	24 51.904	—	—	—	—	51.713	+40	5	51.645	+58	7	—	—	—
388	8 Lyncis	61.6	26 15.724	—	—	—	—	15.739	— 5	7	15.645	+49	4	—	—	—
389	51 Aurigae	39.5	29 59.746	—	—	—	—	59.821	0	1	59.776	+28	6	—	—	—
390	ψ^5 Aurigae	43.7	37 43.631	—	—	—	—	43.622	0	2	43.690	+32	1	—	—	—
391	43 Camelopardi	69.0	40 12.950	—	—	—	—	12.870	+ 6	5	—	—	—	—	—	—
392	18 Monocerotis	2.5	41 20.598	—	—	—	—	20.500	+12	2	—	—	—	—	—	—
393	24 H. Camelop.	77.1	41 48.436	—	—	—	—	—	—	—	47.828	+56	1	—	—	—
394	15 Lyncis	58.6	46 26.835	— 5	26.805	+53	2	26.927	— 6	7	26.820	+46	3	26.795	+45	4
395	63 Aurigae	39.5	7 3 3.306	—	—	—	—	3.297	0	5	3.321	+26	11	3.286	+22	4

*) Pulkowa 1876 (M.Kr.) 4h 22m 8s.151 8 Beobb.

Rectascensionen für 1875.0. II. Zusatzsterne.

Nr.	Stern	Decl.	Pulkowa 1871	Pulkowa 1845 Corr.	AR	Red.	Beob.	Greenw. 1861 AR	Red.	Beob.	Greenw. 1872 AR	Red.	Beob.	Cambr. 1872 AR	Red.	Beob.
396	64 Aurigae	41°.1	7h 9m20s.503	—	—	—	—	20s.654	0	7	—	—	—	20s.553	+26	7
397	19 Lyncis seq.	55.5	12 39.670	—	—	—	—	39.740	−5	1	39s.638	+42	2	—	—	—
398	ϱ Geminorum	32.0	21 4.134	—	—	—	—	4.085	−6	1	4.211	+17	7	4.156	+15	6
399	24 Lyncis	59.0	32 25.268	—	—	—	—	25.286	−6	3	—	—	—	—	—	—
400	π Geminorum	33.7	39 26.676	—	—	—	—	26.642	−4	5	26.720	+19	1	—	—	—
401	Gr. 1374	74.2	45 11.592	—	—	—	—	11.322	+22	6	11.429	+52	9	11.470	+58	6
402	26 Lyncis	47.9	45 36.240	—	—	—	—	36.322	0	3	—	—	—	—	—	—
403	53 Camelopardi	60.7	51 1.055	—	—	—	—	1.113	−4	1	0.959	+44	2	—	—	—
404	χ Geminorum	28.1	55 50.304	—	—	—	—	50.320	−7	64	50.307	+13	35	—	—	—
405	27 Lyncis	51.9	59 2.783	—	—	—	—	2.576	−2	4	—	—	—	—	—	—
406	Br. 1147	76.1	8 3 47.002	—	—	—	—	46.425	+29	2	46.920	+52	10	—	—	—
407	31 Lyncis	43.6	14 16.344*)	—	—	—	—	16.537	+1	7	—	—	—	—	—	—
408	Gr. 1450	38.4	24 47.137	—	—	—	—	—	—	—	47.177	+22	4	—	—	—
409	η Cancri	20.9	25 28.718	—	—	—	—	28.686	−4	82	28.682	+7	39	28.683	+11	5
410	Gr. 1446	74.1	25 45.597	—	—	—	—	—	—	—	45.381	+51	4	—	—	—
411	Gr. 1460	53.1	30 1.259	—	—	—	—	—	—	—	—	—	—	—	—	—
412	σ² Cancri med.	31.1	46 36.858	—	—	—	—	36.920	−6	4	36.877	+13	2	36.846	+31	4
413	ϱ Ursae maj.	68.1	51 14.797	—	—	—	—	14.636	+5	3	14.666	+47	8	—	—	—
414	Gr. 1501	54.8	54 50.214	—	—	—	—	—	—	—	—	—	—	—	—	—
415	σ² Ursae maj.	67.6	59 22.056	—	—	—	—	22.036	+5	16	22.016	+47	5	21.999	+72	13
416	36 Lyncis	43.7	9 5 37.313	—	—	—	—	37.522	+1	3	—	—	—	—	—	—
417	83 Cancri	18.2	12 0.206	—	—	—	—	0.159	−1	79	0.146	+6	45	0.130	+20	4
418	d Ursae maj.	70.4	23 23.731	—	—	—	—	23.593	+10	5	—	—	—	23.662	+81	13
419	10 Leonis min.	37.0	26 33.652	—	—	—	—	33.675	−1	7	33.522	+18	2	—	—	—
420	Gr. 1564	69.8	31 30.828	—	—	—	—	—	—	—	30.774	+47	5	—	—	—
421	Gr. 1586	73.5	47 9.741	—	—	—	—	9.736	+19	3	9.600	+47	12	9.640	+91	8
422	19 Leonis min.	41.6	50 1.317	—	—	—	—	1.417	+1	5	1.332	+23	4	—	—	—
423	π Leonis	8.6	53 36.420	—	—	—	—	36.382	+9	93	36.401	+8	24	—	—	—
424	30 H. Ursae maj.	66.2	10 15 5.677	—	—	—	—	5.590	+2	7	5.628	+44	6	—	—	—
425	30 H. Camelop.	83.2	15 38.995	—	—	—	—	—	—	—	38.976	+51	3	—	—	—
426	31 Leonis min.	37.3	20 39.016**)	—	—	—	—	39.001	−1	12	38.991	+18	3	38.955	+66	8
427	36 Ursae maj.	56.6	22 36.831	—	—	—	—	36.933	−4	7	36.857	+37	10	—	—	—
428	37 Ursae maj.	57.7	27 5.759	—	—	—	—	5.680	−6	3	5.746	+38	1	—	—	—
429	35 H. Ursae maj.	69.7	34 5.375	—	—	—	—	—	—	—	5.324	+45	5	—	—	—
430	41 Leonis min.	23.8	36 37.027	—	—	—	—	37.004	−8	5	36.988	+5	3	—	—	—
431	42 Leonis min.	31.3	38 54.627	—	—	—	—	54.615	−7	5	54.547	+10	3	54.591	+59	10
432	l Leonis	11.2	42 41.185	—	—	—	—	41.135	+6	84	41.132	+6	30	41.133	+28	9
433	Br. 1508	78.4	49 53.444	—	—	—	—	53.519	+36	3	53.508	+49	4	—	—	—
434	χ Leonis	8.0	58 34.128	—	—	—	—	34.054	+7	68	34.087	+8	20	34.100	+23	7
435	Gr. 1757	50.2	11 9 38.722	—	—	—	—	38.745	−4	3	—	—	—	—	—	—
436	Gr. 1771	65.0	15 24.612	—	—	—	—	24.582	−3	1	24.630	+42	7	—	—	—
437	58 Ursae maj.	43.9	23 44.914	—	—	—	—	45.026	−2	3	—	—	—	—	—	—
438	v Leonis	−0.1	30 32.942	+0	32.890	+41	3	32.903	+13	90	32.901	+13	33	32.920	+7	7
439	3 Draconis	67.4	35 29.118	—	—	—	—	29.123	0	4	28.927	+43	7	—	—	—
440	Gr. 1852	77.6	58 52.092†)	—	—	—	—	—	—	—	—	—	—	—	—	—
441	2 Canum ven.	41.4	12 9 51.488	—	—	—	—	51.448	−4	3	—	—	—	—	—	—
442	6 Canum ven.	39.7	19 41.295	—	—	—	—	41.496	−4	3	—	—	—	—	—	—
443	20 Comae Beren.	21.6	23 26.446	—	—	—	—	26.421	−10	5	—	—	—	—	—	—
444	74 Ursae maj.	59.1	24 6.643	−0	6.719	+69	1	6.623	−10	3	—	—	—	—	—	—
445	8 Canum ven.	42.0	27 48.201	+6	48.168	+56	5	48.199	−4	20	48.221	+22	17	—	—	—

*) Pulkowa 1845 (M.Kr.) 8h14m16s.271 8 Beobb. — **) Am Passagen-Instrument beobachtet (1864). — †) Am Passagen-Instrument beobachtet; M.Kr. 1872 11h58m52s.131 3 Beobb.

Rectascensionen für 1875.0. II. Zusatzsterne.

Nr.	Stern	Decl.	Pulkowa 1871	Pulkowa 1845 Corr.	AR	Red.	Beob.	Greenw. 1861 AR	Red.	Beob.	Greenw. 1872 AR	Red.	Beob.	Cambr. 1872 AR	Red.	Beob.
446	24 Comae Ber. sq.	19°.1	12h28m51s.535	—	—	—	—	51s.628	— 7	3	—	—	—	—	—	—
447	76 Ursae maj.	63.4	36 5.822	—	—	—	—	5.832	— 6	5	5s.789	+ 42	10	—	—	—
448	8 Draconis	66.1	50 29.653	—	—	—	—	29.698	— 3	3	29.454	+ 44	7	—	—	—
449	ϑ Virginis	—4.9	13 3 28.735	—	—	—	—	28.706	+ 16	47	28.734	+ 18	39	28s.757	— 25	5
450	17 Canum ven.	39.2	4 18.689	—	—	—	—	18.662	— 3	4	18.697	+ 20	1	—	—	—
451	20 Canum ven.	41.2	11 56.137	—	—	—	—	56.160	— 3	3	56.138	+ 22	4	—	—	—
452	Gr. 2001	73.0	22 56.964	—	—	—	—	—	—	—	56.914	+ 48	4	—	—	—
453	69 H. Ursae maj.	60.6	23 51.699	—	—	—	—	—	—	—	51.652	+ 41	5	—	—	—
454	17 H. Canum ven.	37.8	29 12.807	—	—	—	—	12.880	— 3	2	—	—	—	—	—	—
455	Gr. 2029	71.9	34 11.001	—	—	—	—	—	—	—	10.923	+ 48	3	—	—	—
456	*i* Draconis	65.3	47 46.908	—	—	—	—	46.862	0	8	46.908	+ 45	7	—	—	—
457	11 Bootis	28.0	55 30.417	—	—	—	—	30.400	— 4	6	30.366	+ 10	5	—	—	—
458	*d* Bootis	25.7	14 4 41.869	—	—	—	—	41.886	— 5	6	41.871	+ 9	3	41.912	+ 21	5
459	4 Ursae min.	78.1	9 22.073*)	—	—	—	—	21.760	+ 40	2	21.941	+ 51	2	—	—	—
460	Gr. 2125	60.8	28 19.168**)	—	—	—	—	—	—	—	—	—	—	—	—	—
461	33 Bootis	44.9	34 11.083	—	—	—	—	11.130	+ 15	5	—	—	—	—	—	—
462	Gr. 2164	59.8	48 16.068	—23	16s.006	+ 74	1	16.023	+ 13	3	—	—	—	16.201	+ 63	5
463	P. 14, 221	15.0	50 19.295	—	—	—	—	—	—	—	—	—	—	—	—	—
464	2 H. Ursae min.	66.4	55 36.122	—	—	—	—	36.256	+ 21	4	36.015	+ 49	5	—	—	—
465	ψ Bootis	27.4	59 5.391	—	—	—	—	5.374	+ 13	58	5.360	+ 13	21	5.357	+ 25	5
466	3 Serpentis	5.4	15 8 58.647	—	—	—	—	58.569	+ 32	10	—	—	—	—	—	—
467	1 H. Ursae min.	67.8	13 12.655	—	—	—	—	12.322	+ 29	1	12.604	+ 51	8	—	—	—
468	τ^1 Serpentis	15.9	19 59.577	—	—	—	—	59.557	+ 28	12	—	—	—	—	—	—
469	φ Bootis	40.8	33 20.347	+ 0	20.216	+ 59	2	20.227	+ 26	3	—	—	—	—	—	—
470	12 H. Draconis	63.0	44 45.945	—	—	—	—	—	—	—	45.905	+ 50	6	—	—	—
471	Gr. 2296	55.1	54 49.566	—	—	—	—	—	—	—	—	—	—	49.494	+ 68	5
472	19 Ursae min.	76.2	16 14 24.859	—	—	—	—	24.636	+ 53	5	24.680	+ 58	13	24.494	+ 83	4
473	ω Herculis	14.3	19 38.888	—	—	—	—	38.716	+ 27	3	38.871	+ 15	4	38.830	+ 19	6
474	η Ursae min.	76.0	21 10.861	—	—	—	—	10.688	+ 52	4	10.834	+ 58	3	—	—	—
475	Gr. 2343	55.5	21 41.337***)	+ 6	41.465	+ 68	2	41.587	+ 20	4	41.477	+ 46	4	—	—	—
476	Gr. 2373	77.7	36 2.886	—	—	—	—	—	—	—	2.770	+ 60	6	—	—	—
477	Gr. 2377	57.0	42 55.724	+ 8	55.785	+ 69	1	55.702	+ 18	5	55.656	+ 49	5	55.640	+ 79	5
478	49 Herculis	15.2	46 23.421	—	—	—	—	23.461	+ 24	6	—	—	—	23.439	+ 25	5
479	60 Herculis	12.9	59 34.923	—	—	—	—	34.902	+ 26	7	—	—	—	—	—	—
480	Gr. 2415	40.7	17 3 42.146†)	—	—	—	—	—	—	—	—	—	—	42.146	+ 63	2
481	*x* Herculis	48.4	23 25.484	+ 6	25.333	+ 57	2	25.397	+ 22	3	—	—	—	—	—	—
482	*f* Draconis	68.2	32 28.058	—	—	—	—	27.775	+ 30	7	27.955	+ 59	7	—	—	—
483	ω Draconis	68.8	37 41.070	—	—	—	—	41.031	+ 31	10	41.141	+ 60	7	41.092	+ 92	11
484	ψ Drac. austr.	72.2	44 9.867	+ 3	9.788	+ 78	5	9.898	+ 41	10	9.829	+ 62	7	9.873	+ 95	10
485	35 Draconis	77.0	55 2.805	—	—	—	—	2.871	+ 59	4	2.779	+ 65	4	2.743	+ 97	4
486	Gr. 2533	42.1	18 11 45.481	—	—	—	—	45.477	+ 32	5	—	—	—	—	—	—
487	36 Draconis	64.4	13 10.578	—	—	—	—	10.573	+ 30	9	—	—	—	—	—	—
488	*b* Draconis	58.7	22 5.074	—	—	—	—	5.171	+ 29	3	—	—	—	4.938	+ 90	5
489	φ Draconis	71.3	22 32.880††)	—	—	—	—	32.904	+ 47	9	32.844	+ 63	8	—	—	—
490	Gr. 2655	77.4	35 46.546	+21	46.766	+ 81	3	—	—	—	46.370	+ 66	4	—	—	—
491	Gr. 2640	65.4	35 49.620	—	—	—	—	—	—	—	—	—	—	—	—	—
492	13 *R* Lyrae	43.8	51 31.873	—	—	—	—	31.884	+ 42	45	31.871	+ 43	34	31.834	+ 73	6
493	*v* Draconis	71.1	55 55.416	+ 8	55.236	+ 72	3	55.280	+ 55	3	55.304	+ 64	10	—	—	—
494	ι Lyrae	35.9	19 2 50.530	—	—	—	—	50.479	+ 40	5	50.474	+ 34	15	—	—	—
495	ω Aquilae	11.4	11 56.962	—	—	—	—	56.923	+ 49	97	56.934	+ 25	63	56.935	+ 25	3

*) Am Passagen-Instrument beobachtet. — **) Pulkowa 1862 (M.Kr.) 14h28m19s.279 Red. + 0s.075: 4 Beobb.; 1875 (M.Kr.) 14h28m19s.346 12 Beobb. — ***) Pulkowa 1865 (P.I.) 16h21m41s.394 2 Beobb. — †) Pulkowa 1875 (M.Kr.) 17h3m42s.123 12 Beobb. — ††) Pulkowa 1863 (P.I.) 18h22m32s.915 41 Beobb.

Rectascensionen für 1875.0. II. Zusatzsterne.

Nr.	Stern	Decl.	Pulkowa 1871	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872		
				Corr.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.	AR	Red.	Beob.
496	ϑ Lyrae	37°.9	19h12m 1s.761	—	—	—	—	1s.717	+43	3	1s.821	+37	4	—	—	—
497	Gr. 2900	79.4	29 12.997	—	—	—	—	—	—	—	12.678	+69	5	—	—	—
498	ϑ Cygni	49.9	33 5.369	— 2	5s.261	+53	1	5.330	+42	26	5.393	+51	2	—	—	—
499	15 Cygni	37.1	39 46.141	—	—	—	—	46.149	+42	3	—	—	—	—	—	—
500	33 Cygni	56.2	20 10 29.465*)	—	—	—	—	29.681	+37	3	—	—	—	—	—	—
501	24 Vulpeculae	24.3	11 26.175	—	—	—	—	26.134	+34	3	—	—	—	—	—	—
502	$\varkappa$ Cephei	77.3	13 3.695	—11	3.421	+82	4	3.563	+74	19	3.624	+69	18	3s.723	+92	10
503	$\varkappa$ Delphini	9.6	33 3.497	—	—	—	—	3.447	+48	3	—	—	—	—	—	—
504	73 Draconis	74.5	33 8.107**)	+12	7.911	+78	2	8.084	+62	5	8.031	+69	6	—	—	—
505	6 H. Cephei	57.1	42 14.944	—	—	—	—	14.767	+38	3	—	—	—	—	—	—
506	λ Cygni	36.0	42 32.416	—	—	—	—	32.361	+37	8	32.406	+37	4	—	—	—
507	32 Vulpeculae	27.6	49 14.047	—	—	—	—	13.966	+31	103	13.964	+29	49	13.969	+43	11
508	76 Draconis	82.1	51 30.626***)	—	—	—	—	30.885	+64	3	30.705	+71	4	—	—	—
509	Br. 2749	80.1	53 11.614	+ 1	11.526	+89	4	11.691	+64	9	11.609	+71	15	—	—	—
510	Br. 2777	77.6	21 7 57.614	—	—	—	—	57.628	+71	3	57.680	+70	6	—	—	—
511	Gr. 3415	59.5	8 37.282	—	—	—	—	37.238	+31	4	—	—	—	—	—	—
512	1 Pegasi	19.3	16 18.334	—	—	—	—	18.298	+33	9	18.303	+25	5	—	—	—
513	g Cygni	46.0	24 50.249	—	—	—	—	50.187	+36	9	—	—	—	—	—	—
514	74 Cygni	39.9	31 56.400	—	—	—	—	56.403	+35	3	—	—	—	—	—	—
515	13 H. Cephei	56.9	35 4.927	—	—	—	—	—	—	—	—	—	—	—	—	—
516	11 Cephei	70.7	40 5.050	—	—	—	—	4.973	+43	11	4.901	+68	3	4.959	+80	9
517	π^2 Cygni	48.7	42 10.601	—	—	—	—	10.632	+31	3	—	—	—	10.565	+63	10
518	16 Pegasi	25.3	47 22.544	—	—	—	—	22.505	+24	93	22.498	+28	49	22.545	+32	7
519	20 Pegasi	12.5	54 60.015	—	—	—	—	59.980	+36	5	59.973	+28	5	—	—	—
520	20 Cephei	62.2	22 1 12.562	—	—	—	—	12.663	+27	3	12.385	+63	4	—	—	—
521	24 Cephei	71.7	7 23.955	—	—	—	—	24.105	+43	5	24.023	+69	6	—	—	—
522	ϑ Aquarii	—8.4	10 14.297	— 0	14.183	+49	5	14.141	+51	120	14.156	+43	47	14.191	—27	10
523	31 Pegasi	11.6	15 21.954	—	—	—	—	21.818	+34	3	21.906	+28	4	—	—	—
524	3 Lacertae	51.6	18 38.827	— 6	38.806	+65	1	38.776	+25	13	—	—	—	38.797	+63	9
525	31 Cephei	73.0	32 40.771	— 3	40.764	+87	3	40.996	+43	5	40.942	+70	4	—	—	—
526	10 Lacertae	38.4	33 39.252	—	—	—	—	39.236	+25	4	39.274	+42	3	—	—	—
527	30 Cephei	62.9	34 13.167	—	—	—	—	13.124	+23	3	13.153	+65	3	—	—	—
528	13 Lacertae	41.2	38 31.168	— 1	31.122	+59	1	31.165	+25	2	—	—	—	31.118	+50	9
529	π Cephei	74.7	23 3 55.512***)	—	—	—	—	55.797	+42	10	55.596	+71	6	—	—	—
530	Br. 3077	56.5	7 16.235	—	—	—	—	16.255	+19	4	16.222	+60	5	—	—	—
531	τ Pegasi	23.1	14 27.119	—	—	—	—	27.082	+17	3	27.071	+28	5	27.094	+24	9
532	v Pegasi	22.7	19 8.530	—	—	—	—	8.455	+17	5	8.519	+28	3	8.526	+24	9
533	4 Cassiopejae	61.6	19 17.523	— 1	31.392	+51	3	17.574	+20	3	17.540	+64	5	—	—	—
534	$\varkappa$ Piscium	0.6	20 31.483	—	—	—	—	31.422	+38	108	31.437	+37	50	—	—	—
535	70 Pegasi	12.1	22 50.049	—	—	—	—	49.963	+29	3	50.018	+29	6	—	—	—
536	72 Pegasi	30.6	27 45.259	—	—	—	—	45.247	+18	3	—	—	—	—	—	—
537	41 H. Cephei	67.1	41 56.692	—	—	—	—	56.677	+29	8	56.700	+68	9	—	—	—
538	φ Pegasi	18.4	46 7.850	—	—	—	—	7.765	+27	3	7.840	+28	5	7.795	+17	9
539	ϱ Cassiopejae	56.8	48 8.806	—	—	—	—	8.791	+24	2	—	—	—	8.759	+66	10

*) Pulkowa 1875 (M.Kr.) 20h10m29s.473 8 Beobb. — **) Pulkowa 1873 (P.I.) 20h33m8s.029. — ***) Am Passagen-Instrument beobachtet.

Declinationen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	AR	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Corr.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
1	α Androm.	$0^h\ 2^m$	+28° 24′ 0″.70	— 1	0″.58	+12	9	0″.76	—11	97	1″.42	— 64	64	1″.16	+11	11	1″.36	—65	....	1″.32	—43	16
2	β Cassiopejae	0 3	+58 27 36.75	0	36.31	+41	13	36.43	+ 9	6	37.56	— 58	9	—	—	—	—	—	—	—	—	—
3	γ Pegasi	0 7	+14 29 18.51	+ 1	18.37	+13	14	18.46	— 8	76	19.31	— 85	37	18.63	+12	4	19.38	—80	....	19.30	—52	16
4	ι Ceti	0 13	— 9 31 1.88	—	—	—	—	1.65	—78	17	0.05	—178	32	1.59	+12	5	—	—	—	—	—	—
5	κ Cassiopejae	0 26	+62 14 30.02	+ 4	28.55	+41	13	29.08	+16	8	30.08	— 46	15	28.92	+ 2	7	—	—	—	—	—	—
6	ζ Cassiopejae	0 30	+53 12 31.18	+ 1	30.80	+33	9	30.97	— 1	28	31.24	— 67	14	—	—	—	30.79	+26	....	31.27	—18	16
7	π Androm.	0 30	+33 1 51.05	0	51.01	+ 7	3	50.58	—15	5	52.00	— 66	10	—	—	—	—	—	—	—	—	—
8	ε Androm.	0 32	+28 37 57.55	—	—	—	—	57.55	—10	90	58.52	— 63	10	—	—	—	—	—	—	—	—	—
9	δ Androm.	0 33	+30 10 35.89	— 5	34.84	+ 9	2	36.34	—13	29	36.67	— 62	13	—	—	—	—	—	—	—	—	—
10	α Cassiopejae	0 33	+55 51 5.24	+ 0	5.01	+37	31	5.29	+ 2	55	5.67	— 63	42	4.72	+ 5	10	4.61	+45	32	5.31	—15	27
11	ζ Androm.	0 41	+23 35 12.64	—14	11.88	+11	1	12.56	— 3	10	12.49	— 66	22	11.78	+13	5	—	—	—	—	—	—
12	η Cassiopejae	0 42	+57 9 8.10	— 2	7.54	+37	6	7.98	+ 5	16	9.68	— 60	13	7.74	+ 4	4	7.84	+54	8	—	—	—
13	γ Cassiopejae	0 49	+60 2 21.17	+ 4	20.97	+39	9	21.33	+12	25	22.08	— 51	37	20.69	+ 3	3	20.82	+71	9	21.70	—15	16
14	μ Androm.	0 50	+37 49 15.17	+ 0	14.95	+ 7	6	15.14	—17	82	15.66	— 70	33	—	—	—	16.10	—50	8	—	—	—
15	ε Piscium	0 56	+ 7 12 60.03	— 9	59.85	+ 5	5	59.83	—19	81	60.67	—109	35	60.70	+13	7	60.30	—80	10	60.95	—62	16
16	β Androm.	1 3	+34 57 26.07	— 1	26.59	+ 1	4	26.49	—17	25	26.87	— 68	30	25.76	+11	9	26.20	—53	9	—	—	—
17	τ Piscium	1 5	+29 25 31.42	—	—	—	—	31.85	—12	3	31.76	— 61	3	31.87	+12	8	—	—	—	—	—	—
18	υ Piscium	1 13	+26 36 22.81	+ 7	22.55	+ 4	3	23.30	— 6	7	22.17	— 62	3	—	—	—	—	—	—	—	—	—
19	α Ursae min.	1 13	+88 38 33.73	0	33.72	+23	376	33.80	+20	2152	33.85	+ 2	1339	32.03	+19	13	33.50	+49	....	33.76	+ 2	252
20	δ Cassiopejae	1 18	+59 35 5.49	— 2	5.51	+33	11	5.79	+11	16	6.13	— 51	4	—	—	—	—	—	—	—	—	—
21	ϑ Ceti	1 18	— 8 49 44.81	— 5	44.30	—12	1	43.72	—75	57	43.22	—173	9	45.55	+14	7	43.70	—72	9	44.64	—52	16
22	η Piscium	1 25	+14 42 2.39	+ 1	1.89	+ 1	6	2.54	— 7	107	2.91	— 82	33	1.78	+14	10	2.76	—76	11	—	—	—
23	υ Persei	1 30	+47 59 38.49	— 5	38.27	+13	14	39.05	— 9	6	39.33	— 70	6	38.03	+ 9	11	38.59	— 6	8	38.64	—31	16
24	φ Persei	1 36	+50 3 28.94	— 1	28.55	+16	8	28.69	— 6	19	29.43	— 69	10	—	—	—	28.80	+ 9	....	29.00	—29	16
25	ο Piscium	1 39	+ 8 31 39.84	—11	40.16	— 6	5	40.23	—16	28	41.05	—103	22	39.41	+14	9	—	—	—	—	—	—
26	ε Cassiopejae	1 45	+63 3 11.84	0	11.46	+26	13	11.53	+18	27	11.84	— 41	29	—	—	—	10.96	+85	....	11.84	—19	16
27	α Trianguli	1 46	+28 58 8.13	— 0	8.23	— 6	2	7.87	—11	34	8.42	— 59	13	—	—	—	—	—	—	—	—	—
28	γ Arietis	1 47	+18 40 47.55	—	—	—	—	48.22	— 5	8	—	—	—	—	—	—	—	—	—	—	—	—
29	ξ Piscium	1 47	+ 2 34 10.40	—	—	—	—	10.61	—30	13	12.01	—127	5	—	—	—	—	—	—	—	—	—
30	β Arietis	1 48	+20 11 45.51	—	—	—	—	45.82	— 4	101	46.17	— 68	25	45.33	+15	11	46.96	—69	24	46.56	—64	16
31	50 Cassiopejae	1 53	+71 48 53.59	+ 1	53.54	+21	8	54.02	+27	17	53.71	— 23	25	53.22	+ 3	10	52.10	+97	13	—	—	—
32	γ Androm.	1 56	+41 43 43.40	— 2	43.56	— 4	2	43.72	—15	30	44.67	— 70	27	42.55	+12	11	—	—	—	—	—	—
33	α Arietis	2 0	+22 52 13.09	+ 0	13.26	— 7	13	13.08	— 3	141	13.50	— 64	59	13.45	+15	8	13.88	—65	....	13.68	—63	16
34	β Trianguli	2 2	+34 23 41.43	— 6	41.61	—13	2	41.42	—17	4	42.38	— 65	18	41.24	+13	5	42.33	—48	....	41.94	—51	16
35	ο Ceti	2 13	— 3 32 47.50	—	—	—	—	46.55	—52	9	—	—	—	47.02	+16	2	—	—	—	—	—	—
36	ι Cassiopejae	2 19	+66 50 19.16	— 0	19.26	+20	10	19.24	+24	28	19.57	— 31	47	18.81	+ 7	15	—	—	—	—	—	—
37	ξ^2 Ceti	2 22	+ 7 53 55.32	— 8	55.32	—13	2	54.99	—17	55	55.96	—104	20	54.52	+16	9	54.92	—71	11	55.75	—69	16
38	36 H. Cassiop.	2 26	+72 16 9.89	— 2	9.74	+16	16	9.68	+28	10	9.96	— 20	9	—	—	—	—	—	—	—	—	—
39	δ Ceti	2 33	— 0 12 43.29	— 7	42.65	—19	1	43.05	—38	7	42.37	—138	6	43.55	+17	6	—	—	—	—	—	—
40	ϑ Persei	2 36	+48 41 53.09	— 9	53.08	+ 4	7	53.41	— 8	7	54.16	— 67	2	53.25	+12	8	—	—	—	—	—	—
41	γ Ceti	2 37	+ 2 42 27.96	— 9	27.59	—17	3	27.80	—29	48	28.45	—125	8	28.70	+17	6	28.50	—69	14	—	—	—
42	μ Ceti	2 38	+ 9 35 5.82	— 5	6.71	—13	2	6.50	—14	22	7.99	— 95	6	—	—	—	—	—	—	—	—	—
43	η Persei	2 42	+55 22 29.30	+ 1	28.92	+14	3	—	—	—	30.49	— 58	8	—	—	—	—	—	—	—	—	—
44	41 Arietis	2 43	+26 44 38.10	— 2	37.48	—11	2	37.62	— 6	6	37.88	— 57	14	37.76	+17	10	—	—	—	—	—	—
45	τ Persei	2 45	+52 14 57.04	— 3	56.69	+ 9	4	56.81	— 4	11	57.43	— 62	11	56.64	+10	11	57.08	+32	....	56.99	—31	16
46	η Eridani	2 50	— 9 23 49.05	—	—	—	—	47.76	—78	12	47.94	—170	5	—	—	—	—	—	—	—	—	—
47	α Ceti	2 56	+ 3 35 52.52	— 1	52.77	—19	9	53.10	—27	57	53.65	—119	15	54.19	+18	11	53.09	—67	....	53.29	—68	16
48	γ Persei	2 56	+53 0 54.15	— 2	54.34	+ 9	9	54.38	— 1	6	54.78	— 60	6	—	—	—	—	—	—	—	—	—
49	ϱ Persei	2 57	+38 21 15.10	— 9	15.26	—15	1	15.76	—16	5	15.54	— 65	9	15.44	+15	8	—	—	—	—	—	—
50	β Persei	3 0	+40 28 20.21	0	20.96	—12	2	20.39	—16	14	21.21	— 66	10	19.77	+15	11	20.56	—28	9	20.80	—44	16

Declinationen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	AR	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Corr.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
51	ι Persei	3h 0m	+49° 8′ 1″52	—13	2″07	+ 3	6	1″35	— 7	3	—	—	—	—	—	—	—	—	—	—	—	—
52	α Persei	3 15	+49 24 51.67	+ 3	51.13	+ 4	46	51.29	— 7	58	52″17	— 63	37	50″76	+ 14	12	51″69	+ 17	24	51″57	— 34	27
53	o Tauri	3 18	+ 8 35 14.44	— 3	14.85	— 15	7	14.92	— 16	39	15.58	— 96	6	14.84	+ 20	10	—	—	—	—	—	—
54	ξ Tauri	3 20	+ 9 17 42.68	— 0	43.28	— 15	5	42.02	— 15	5	43.88	— 93	11	43.17	+ 20	7	—	—	—	—	—	—
55	f Tauri	3 24	+12 30 23.62	—13	24.07	— 14	1	24.61	— 10	36	25.14	— 82	15	23.89	+ 20	7	—	—	—	—	—	—
56	ε Eridani	3 27	— 9 52 58.55	—16	58.28	— 32	1	57.65	— 80	35	56.53	—170	10	58.75	+ 21	8	—	—	—	—	—	—
57	δ Persei	3 34	+47 23 8.46	— 1	8.36	0	12	8.85	— 10	8	8.97	— 62	5	8.67	+ 16	9	8.55	+ 6	....	8.97	— 36	16
58	o Persei	3 36	+31 53 25.07	—	—	—	—	25.63	— 15	26	25.72	— 54	14	—	—	—	—	—	—	—	—	—
59	ν Persei	3 37	+42 10 53.85	+ 0	53.53	— 9	1	53.66	— 15	1	54.11	— 63	2	—	—	—	—	—	—	—	—	—
60	17 Tauri	3 37	+23 43 6.71	—	—	—	—	6.27	— 4	26	7.41	— 56	10	—	—	—	—	—	—	—	—	—
61	η Tauri	3 40	+23 43 0.58	— 2	0.52	— 12	4	0.51	— 4	87	1.12	— 56	21	0.40	+ 22	8	1.30	— 50	12	—	—	—
62	27 Tauri	3 42	+23 40 9.19	— 5	9.49	— 12	5	9.62	— 4	17	10.15	— 56	12	—	—	—	—	—	—	—	—	—
63	ζ Persei	3 46	+31 30 37.50	—14	37.79	— 16	4	37.99	— 14	6	38.25	— 53	12	37.96	+ 22	2	—	—	—	—	—	—
64	ε Persei	3 49	+39 38 47.61	— 1	47.39	— 14	1	47.48	— 16	12	48.57	— 62	5	46.69	+ 20	4	—	—	—	—	—	—
65	ξ Persei	3 51	+35 25 46.48	—	—	—	—	46.72	— 17	6	47.04	— 58	5	—	—	—	—	—	—	—	—	—
66	λ Tauri	3 54	+12 8 7.48	— 1	4.71	— 14	2	7.58	— 10	18	7.83	— 81	12	6.72	+ 23	8	—	—	—	—	—	—
67	ν Tauri	3 57	+ 5 38 26.80	— 4	26.44	— 17	2	26.80	— 22	4	—	—	—	—	—	—	—	—	—	—	—	—
68	Gr. 750	3 58	+85 13 20.16	+ 3	19.65	+ 7	8	19.85	+ 23	6	19.96	+ 0	2	—	—	—	—	—	—	—	—	—
69	c Persei	4 0	+47 22 34.95	+ 2	34.80	0	8	35.30	— 10	5	—	—	—	35.19	+ 19	10	—	—	—	—	—	—
70	γ Tauri	4 13	+15 19 25.56		0 25.92	— 12	10	25.79	— 7	51	27.07	— 69	6	25.09	+ 26	9	—	—	—	—	—	—
71	δ Tauri	4 16	+17 14 50.69	— 1	50.65	— 12	3	50.91	— 6	7	51.53	— 64	2	50.15	+ 26	9	—	—	—	—	—	—
72	ε Tauri	4 21	+18 54 4.14	— 1	4.23	— 11	4	4.20	— 5	92	4.79	— 61	21	3.96	+ 27	7	50.01	— 49	12	4.52	— 63	16
73	α Tauri	4 29	+16 15 21.59	— 3	21.70	— 11	16	21.53	— 7	181	22.33	— 67	99	20.81	+ 28	8	22.22	— 50	....	22.03	— 65	16
74	ν Eridani	4 30	— 3 36 35.45	— 1	34.93	— 23	2	33.90	— 52	6	—	—	—	35.04	+ 28	7	—	—	—	—	—	—
75	μ Eridani	4 39	— 3 29 8.19	— 1	7.84	— 22	2	7.53	— 52	25	6.70	—143	6	7.73	+ 29	7	—	—	—	—	—	—
76	9 Camelop.	4 42	+66 7 36.55	+ 1	36.49	+ 21	15	36.74	+ 23	57	36.99	— 23	17	38.38	+ 14	10	35.75	+115	....	36.95	— 12	36
77	π^4 Orionis	4 45	+ 5 23 21.68	—	—	—	—	23.05	— 23	9	—	—	—	—	—	—	—	—	—	—	—	—
78	π^5 Orionis	4 48	+ 2 14 3.17	+ 1	2.77	— 16	4	1.09	— 31	3	—	—	—	—	—	—	—	—	—	—	—	—
79	ι Aurigae	4 49	+32 57 57.24	— 1	57.51	— 14	6	57.37	— 15	85	57.09	— 52	31	56.62	+ 28	7	57.67	— 27	9	—	—	—
80	10 Camelop.	4 52	+60 15 22.74	+ 1	22.91	+ 20	8	23.08	+ 12	2	23.21	— 36	19	21.67	+ 21	5	21.69	+100	....	23.13	— 16	16
81	ε Aurigae	4 53	+43 38 9.20	+ 1	8.94	— 3	3	9.48	— 14	4	9.70	— 58	6	9.19	+ 27	3	8.54	— 5	8	9.37	— 32	16
82	ζ Aurigae	4 54	+40 53 27.55	— 3	27.61	— 8	5	27.26	— 15	11	27.89	— 58	7	26.50	+ 28	5	—	—	—	—	—	—
83	η Aurigae	4 58	+41 3 46.63	— 4	46.69	— 7	4	46.81	— 15	44	47.34	— 58	17	—	—	—	46.53	— 11	....	47.07	— 35	16
84	β Eridani	5 2	— 5 14 59.25	— 5	58.89	— 22	1	59.03	— 59	8	58.81	—149	4	—	—	—	—	—	—	—	—	—
85	λ Eridani	5 3	— 8 54 57.31	— 8	57.70	— 27	2	58.07	— 75	4	—	—	—	58.29	+ 33	5	—	—	—	—	—	—
86	α Aurigae	5 7	+45 52 5.32	+ 1	5.33	+ 1	50	5.43	— 12	86	5.64	— 58	45	5.32	+ 29	9	5.71	+ 8	31	5.66	— 28	12
87	β Orionis	5 9	— 8 20 52.29	+ 1	52.01	— 25	14	52.08	— 73	122	50.73	—159	55	52.48	+ 33	7	51.93	— 43	....	51.88	— 49	16
88	τ Orionis	5 12	— 6 58 53.10	— 8	52.29	— 23	3	51.86	— 62	3	—	—	—	52.95	+ 34	7	—	—	—	—	—	—
89	η Orion. med.	5 18	— 2 30 50.63	—11	50.79	— 19	2	48.97	— 48	4	—	—	—	—	—	—	—	—	—	—	—	—
90	β Tauri	5 18	+28 29 58.51	+ 0	58.09	— 9	11	58.24	— 10	151	59.17	— 47	71	58.44	+ 34	8	58.73	— 30	....	59.04	— 46	16
91	γ Orionis	5 18	+ 6 14 4.21	— 9	4.29	— 12	6	3.64	— 21	3	4.61	— 98	4	—	—	—	—	—	—	—	—	—
92	Gr. 966	5 23	+74 57 22.47	— 0	20.95	+ 16	8	—	—	—	22.64	— 5	23	23.03	+ 24	9	—	—	—	—	—	—
93	δ Orionis	5 26	— 0 23 36.89	— 9	37.82	— 16	3	36.47	— 39	48	35.60	—127	23	36.90	+ 37	7	36.69	— 46	10	36.64	— 51	16
94	ϑ^1 Orionis	5 29	— 5 28 26.62	—	—	—	—	24.15	— 60	4	—	—	—	—	—	—	—	—	—	—	—	—
95	ϑ^2 Orionis	5 29	— 5 30 0.37	—	—	—	—	0.78	— 60	2	—	—	—	—	—	—	—	—	—	—	—	—
96	ι Orionis	5 29	— 5 59 37.66	— 5	36.93	— 21	1	36.86	— 62	6	—	—	—	—	—	—	—	—	—	—	—	—
97	ε Orionis	5 30	— 1 16 60.65	— 0	61.14	— 16	1	60.97	— 42	41	59.83	—131	20	62.44	+ 37	7	60.07	— 46	9	—	—	—
98	ζ Tauri	5 30	+21 3 50.79	+ 5	51.22	— 6	1	50.64	— 4	35	51.28	— 53	16	—	—	—	—	—	—	—	—	—
99	σ Orionis	5 32	— 2 40 26.74	—	—	—	—	—	—	—	—	—	—	27.87	+ 38	7	—	—	—	—	—	—
100	$\varkappa$ Orionis	5 42	— 9 42 56.67	— 5	56.37	— 25	4	56.53	— 79	13	55.59	—162	13	—	—	—	—	—	—	—	—	—

Declinationen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	AR	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Corr.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
101	ν Aurigae	$5^h 43^m$	+39° 6′33″.17	−6	33″.77	−7	7	33″.08	−16	1	33″.62	−56	12	32″.84	+36	7	—	—	—	—	—	—
102	α Orionis	5 48	+7 22 54.16	+7	54.33	−9	5	54.47	−18	123	55.39	−92	69	54.91	+40	6	54″.79	−47	....	54″.42	−46	16
103	β Aurigae	5 50	+44 55 55.20	+0	55.29	+3	17	54.97	−13	24	56.28	−56	16	54.83	+36	6	55.73	+6	10	56.01	−16	16
104	ϑ Aurigae	5 51	+37 12 4.92	−10	4.86	−9	4	5.65	−17	7	5.27	−54	5	5.30	+38	5	—	—	—	—	—	—
105	η Geminor.	6 7	+22 32 26.82	+0	27.19	−4	8	26.93	−4	86	27.85	−50	25	27.63	+43	8	—	—	—	—	—	—
106	μ Geminor.	6 15	+22 34 32.20	−4	32.07	−3	10	31.92	−4	94	32.76	−49	22	—	—	—	32.34	−37	8	—	—	—
107	γ Geminor.	6 30	+16 30 13.70	+0	14.08	−4	8	14.21	−6	51	14.77	−61	34	12.32	+46	6	14.57	−43	9	14.27	−38	16
108	15 Monocerot.	6 34	+10 0 33.59	−6	33.59	−6	4	33.40	−13	3	—	—	—	—	—	—	—	—	—	—	—	—
109	ε Geminor.	6 36	+25 15 9.64	−3	9.50	−3	8	9.96	−5	14	10.11	−46	5	—	—	—	—	—	—	—	—	—
110	ξ Geminor.	6 38	+13 1 41.93	−7	41.82	−5	7	42.00	−9	16	43.02	−71	2	—	—	—	—	—	—	—	—	—
111	51 H. Cephei	6 41	+87 14 4.39	−7	4.19	+16	9	4.35	+21	505	4.38	+3	436	5.29	+26	23	4.21	+77	13	4.47	+28	84
112	ϑ Geminor.	6 45	+34 6 34.85	+0	34.83	−7	9	34.87	−16	22	35.62	−50	13	—	—	—	34.96	−19	....	34.76	−21	16
113	ζ Geminor.	6 57	+20 45 5.90	+0	5.55	−2	8	5.64	−4	57	6.58	−51	21	4.99	+49	6	—	—	—	—	—	—
114	λ Geminor.	7 11	+16 45 50.30		0 50.42	−3	8	50.23	−6	17	50.46	−59	7	48.95	+51	7	—	—	—	—	—	—
115	δ Geminor.	7 13	+22 12 37.71	+4	38.06	−3	9	37.60	−4	94	38.29	−49	41	36.66	+51	5	—	—	—	—	—	—
116	Gr. 1308	7 18	+68 43 2.97	+3	2.00	+25	18	2.42	+26	13	3.18	−12	30	—	—	—	—	—	—	—	—	—
117	ι Geminor.	7 18	+28 2 39.53	−1	40.06	−5	10	39.71	−10	16	40.56	−44	22	39.60	+52	7	—	—	—	—	—	—
118	β Canis min.	7 20	+8 32 22.30	−5	21.79	−6	8	21.80	−16	39	22.76	−86	17	20.84	+52	4	22.09	−45	....	21.87	−36	16
119	α Geminor.	7 27	+32 9 37.43	+0	36.72	−8	11	37.88	−15	94	38.24	−46	65	35.78	+52	19	—	—	—	—	—	—
120	α Can. min.*)	7 33	+5 32 37.08	—	37.75	−9	10	37.33	−22	158	38.49	−98	106	38.26	+54	10	37.82	−46	....	37.41	−35	16
121	$\varkappa$ Geminor.	7 37	+24 41 44.96	−0	44.65	−4	8	43.92	−4	11	45.32	−45	25	—	—	—	—	—	—	—	—	—
122	β Geminor.	7 38	+28 19 33.96	+2	34.24	−6	11	34.25	−10	185	34.62	−44	107	34.22	+53	11	34.79	−29	....	34.53	−26	16
123	β Cancri	8 10	+9 34 8.94	+1	8.95	−10	10	8.78	−14	25	9.35	−82	17	7.77	+58	5	9.78	−49	....	9.60	−38	16
124	Br. 1197	8 19	−3 29 60.92	−2	60.03	−21	4	57.71	−52	3	—	—	—	—	—	—	—	—	—	—	—	—
125	o Ursae maj.	8 20	+61 8 1.08	−1	0.88	+20	17	0.85	+14	1	1.60	−30	27	1.21	+47	6	0.16	+106	8	—	—	—
126	δ Cancri	8 38	+18 36 44.46	−1	44.17	−12	8	44.13	−5	16	44.31	−54	8	42.94	+59	6	—	—	—	—	—	—
127	ι Cancri	8 39	+29 12 56.20	−2	56.03	−16	8	55.87	−12	4	56.41	−42	8	—	—	—	—	—	—	—	—	—
128	ε Hydrae	8 40	+6 52 33.07	−4	34.09	−17	8	33.75	−19	57	34.56	−91	20	34.17	+59	3	33.67	−53	9	—	—	—
129	ζ Hydrae	8 49	+6 25 11.70	−1	11.45	−19	4	12.11	−20	5	—	—	—	11.68	+60	4	—	—	—	—	—	—
130	ι Ursae maj.	8 51	+48 31 50.88	+6	50.51	−1	48	51.03	−8	27	51.71	−51	17	50.20	+55	7	50.96	+20	8	51.11	−10	28
131	α Cancri	8 52	+12 20 24.54	−2	25.14	−17	4	24.94	−10	50	25.54	−71	15	—	—	—	—	—	—	—	—	—
132	10 Ursae maj.	8 53	+42 16 33.70	−3	33.89	−12	2	34.27	−15	4	—	—	—	—	—	—	—	—	—	—	—	—
133	$\varkappa$ Ursae maj.	8 55	+47 38 57.00	−4	56.78	−3	9	57.30	−9	3	—	—	—	56.45	+55	4	—	—	—	—	—	—
134	ϑ Hydrae	9 8	+2 50 25.47	−3	25.45	−25	10	24.99	−29	8	—	—	—	25.57	+60	7	—	—	—	—	—	—
135	38 Lyncis	9 11	+37 19 48.35	+8	48.89	−22	6	48.54	−17	12	48.37	−51	7	47.46	+58	7	—	—	—	—	—	—
136	40 Lyncis	9 13	+34 55 10.72	−6	11.27	−25	5	11.12	−17	7	11.38	−49	11	10.09	+58	5	10.99	−30	....	11.28	−29	16
137	1 H. Draconis	9 19	+81 52 32.84	+4	32.70	0	13	33.10	+25	6	32.45	−2	9	33.11	+26	16	—	—	—	—	—	—
138	α Hydrae	9 21	−8 7 4.18	+5	3.99	−37	26	4.05	−71	51	3.04	−152	40	4.89	+60	4	3.73	−52	....	4.35	−38	16
139	h Ursae maj.	9 22	+63 36 24.29	−3	23.98	+10	13	23.84	+19	42	24.21	−22	18	—	—	—	—	—	—	—	—	—
140	ϑ Ursae maj.	9 24	+52 14 44.27	−0	44.06	−1	12	43.59	−3	69	44.69	−48	38	—	—	—	44.07	+42	10	44.62	−10	22
141	o Leonis	9 34	+10 27 35.16	−2	36.09	−25	9	35.90	−12	40	36.62	−77	13	35.17	+61	4	—	—	—	—	—	—
142	ε Leonis	9 39	+24 20 55.39	−1	55.53	−22	8	55.23	−4	89	55.80	−45	37	54.40	+61	8	56.01	−49	18	56.03	−44	16
143	v Ursae maj.	9 42	+59 37 31.86	+1	31.46	+7	25	31.64	+11	12	32.00	−33	12	30.74	+51	4	30.17	+90	....	31.47	−5	16
144	μ Leonis	9 46	+26 35 40.38	+2	40.75	−24	8	40.65	−7	56	40.91	−43	36	39.78	+61	6	—	—	—	—	—	—
145	η Leonis	10 1	+17 22 16.42	+0	16.61	−25	10	16.37	−6	8	17.31	−57	9	16.38	+61	7	—	—	—	—	—	—
146	α Leonis	10 2	+12 34 38.16	+2	38.26	−26	11	38.42	−10	189	38.85	−71	106	36.54	+61	8	39.04	−62	....	38.54	−53	16
147	λ Ursae maj.	10 10	+43 32 15.36	+0	15.09	−19	8	15.65	−14	4	16.26	−53	6	14.35	+57	5	15.77	−17	....	15.96	−26	16
148	ζ Leonis	10 10	+24 2 21.82	−0	22.41	−24	8	21.89	−4	8	21.76	−45	5	—	—	—	—	—	—	—	—	—
149	μ Ursae maj.	10 15	+42 7 38.21	+0	38.27	−21	8	38.48	−15	16	38.86	−53	15	37.36	+57	9	38.11	−23	....	38.50	−27	16
150	9 H. Draconis	10 24	+76 21 20.83	−1	21.02	−3	16	20.67	+27	8	20.85	+1	24	20.87	+24	17	—	—	—	—	—	—

*) Declinationen des Schwerpuncts, vermittelst der Elem. V aus den Beobachtungen des Sterns abgeleitet. Für Pulkowa 1845 und Leipzig liegen anstatt der gedruckten Quellen briefliche Angaben der Herren Nyrén und Bruhns zu Grunde. Die Leidener Ableitung der Declinationen der Sterne mit veränderlicher Bewegung (Ann. II. [123]) ist irrig und hier berichtigt.

Declinationen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	AR	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Corr.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
151	ϱ Leonis	10h 26m	+ 9° 56′ 57″.13	+9	57″.26	−28	9	56″.93	−13	81	57″.49	−79	24	55″.83	+59	10	57″.72	−68	8	—	—	—
152	46 Leon. min.	10 46	+34 53 17.65	−0	18.45	−30	9	18.02	−17	39	18.14	−50	22	—	—	—	—	—	—	—	—	—
153	β Ursae maj.	10 54	+57 3 6.64	+1	7.41	+2	22	7.21	+5	25	7.81	−42	20	—	—	—	6.64	+61	....	7″.25	−15	16
154	α Ursae maj.	10 56	+62 25 31.82	+4	30.91	+6	32	31.04	+17	152	31.82	−27	103	30.52	+47	10	30.75	+86	10	31.39	−12	50
155	ψ Ursae maj.	11 3	+45 10 34.53	+3	34.52	−15	16	34.65	−13	5	35.39	−54	13	33.84	+53	10	34.99	−20	8	34.79	−29	16
156	δ Leonis	11 7	+21 12 29.65	+2	30.03	−24	8	29.70	−4	108	29.96	−50	74	28.83	+56	9	30.04	−67	14	30.40	−56	16
157	ϑ Leonis	11 8	+16 6 44.95	+0	45.21	−25	8	44.56	−7	7	45.52	−61	11	—	—	—	—	—	—	—	—	—
158	ξ Urs.maj.md.	11 12	+32 13 55.50	+0	56.10	−27	9	56.15	−15	6	56.58	−45	6	54.96	+54	10	55.48	−52	8	55.45	−47	16
159	ν Ursae maj.	11 12	+33 46 33.37	−0	34.28	−28	8	34.11	−16	6	33.96	−48	7	—	—	—	—	—	—	—	—	—
160	σ Leonis	11 15	+6 42 50.54	+8	50.69	−27	11	50.86	−19	60	51.15	−93	39	49.86	+53	4	—	—	—	—	—	—
161	ι Leonis	11 17	+11 13 3.13	+2	3.47	−25	9	3.10	−12	7	3.60	−77	8	—	—	—	—	—	—	—	—	—
162	λ Draconis	11 24	+70 1 14.84	+2	14.52	+5	16	14.56	+27	32	14.77	−11	44	15.82	+17	16	13.79	+96	10	—	—	—
163	χ Ursae maj.	11 39	+48 28 20.61	−1	20.63	−6	13	20.81	−8	25	21.19	−54	16	20.75	+45	5	20.86	−3	....	20.88	−27	16
164	β Leonis	11 43	+15 16 14.48	+0	14.89	−21	14	14.65	−7	97	15.14	−64	48	13.82	+50	7	15.31	−75	....	15.02	−62	16
165	β Virginis	11 44	+2 28 8.42	+2	8.76	−27	15	8.75	−30	45	9.44	−113	21	8.25	+50	5	9.02	−77	....	9.00	−61	16
166	γ Ursae maj.	11 47	+54 23 23.22	+1	22.91	+4	26	22.78	0	61	23.64	−48	56	23.16	+41	7	22.94	+39	28	22.43	−23	30
167	o Virginis	11 59	+9 25 38.33	−2	38.13	−21	8	38.29	−14	15	39.27	−86	15	37.48	+47	5	—	—	—	—	—	—
168	4 H. Draconis	12 6	+78 18 39.57	−1	39.58	+5	12	39.22	+26	41	39.63	+1	31	40.53	+17	15	—	—	—	—	—	—
169	δ Ursae maj.	12 9	+57 43 38.13	+2	37.74	+11	20	37.86	+7	97	38.62	−41	22	—	—	—	37.72	+63	....	38.61	−21	16
170	η Virginis	12 14	+0 1 40.46	−1	40.56	−25	9	40.98	−37	67	42.23	−125	43	39.86	+44	5	41.04	−76	14	—	—	—
171	ϰ Draconis	12 28	+70 28 39.07	−2	38.74	+14	13	38.57	+27	65	38.95	−12	57	40.17	+14	4	—	—	—	—	—	—
172	γ Virginis md.	12 35	−0 45 49.28	−1	49.42	−22	8	48.55	−40	47	47.51	−130	49	51.11	+39	5	48.22	−75	15	47.98	−64	16
173	ε Ursae maj.	12 49	+56 38 18.92	−1	18.52	+16	8	18.16	+5	26	19.69	−46	7	18.47	+28	5	—	—	—	—	—	—
174	δ Virginis	12 49	+4 4 37.79	−4	37.79	−16	8	38.06	−26	59	38.86	−109	20	—	—	—	—	—	—	—	—	—
175	12 Can. ven. sq.	12 50	+38 59 37.88	−2	37.95	−12	8	38.21	−16	58	38.17	−58	67	38.29	+32	5	38.24	−42	11	38.07	−44	16
176	ε Virginis	12 56	+11 37 52.98	−0	52.82	−11	9	53.24	−11	22	53.98	−78	60	52.94	+34	5	—	—	—	—	—	—
177	43 Comae Ber.	13 6	+28 30 43.91	+0	44.07	−9	8	45.03	−10	4	43.52	−47	3	43.90	+31	5	—	—	—	—	—	—
178	ζ Urs. maj. pr.	13 19	+55 34 43.34	−2	42.96	+19	15	43.31	+3	5	43.88	−50	11	42.14	+22	2	42.35	+52	....	43.46	−27	16
179	ζ Virginis	13 28	+0 2 38.20	+0	37.94	−12	8	38.42	−37	65	39.13	−128	34	36.86	+29	4	38.96	−69	12	—	—	—
180	τ Bootis	13 41	+18 4 49.60	—	—	—	—	49.97	−5	79	50.84	−62	11	—	—	—	—	—	—	—	—	—
181	η Ursae maj.	13 43	+49 56 15.85	+4	16.07	+15	33	15.66	−6	88	16.59	−58	77	16.67	+21	5	15.80	+16	60	16.31	−33	25
182	η Bootis	13 49	+19 1 30.40	−1	30.64	−1	8	30.53	−5	111	30.50	−60	60	30.36	+26	5	31.55	−61	13	30.98	−67	16
183	τ Virginis	13 55	+2 8 60.85	−7	60.52	−7	7	60.80	−31	29	61.86	−121	11	59.61	+25	4	61.05	−65	8	—	—	—
184	α Draconis	14 1	+64 58 26.12	−1	25.40	+31	12	25.62	+22	65	26.08	−27	64	25.89	+13	5	23.86	+101	8	25.64	−20	16
185	ϰ Virginis	14 6	−9 41 26.88	—	—	—	—	26.94	−78	29	26.00	−166	26	—	—	—	—	—	—	—	—	—
186	ι Virginis	14 9	−5 24 11.69	+1	11.13	−12	6	10.58	−60	6	9.64	−152	6	—	—	—	2.51	−57	....	—	—	—
187	α Bootis	14 10	+19 50 2.70	−2	2.88	+2	84	2.81	−4	246	3.26	−59	163	1.43	+23	5	—	—	—	3.37	−67	16
188	λ Bootis	14 12	+46 39 46.82	−0	46.67	+13	8	47.06	−11	9	47.69	−62	9	—	—	—	47.03	−1	8	47.45	−38	16
189	ι Bootis	14 12	+51 56 40.23	—	—	—	—	39.83	−3	6	40.73	−58	1	—	—	—	—	—	—	—	—	—
190	ϑ Bootis	14 21	+52 25 45.37	+1	45.18	+24	8	45.62	−3	6	45.34	−57	18	45.20	+16	5	45.15	+40	10	45.19	−30	11
191	φ Virginis	14 22	−1 39 59.66	—	—	—	—	59.61	−44	5	—	—	—	—	—	—	—	—	—	—	—	—
192	ϱ Bootis	14 26	+30 55 15.65	+5	15.83	0	8	15.75	−14	94	15.90	−52	42	15.62	+21	4	15.60	−39	8	—	—	—
193	γ Bootis	14 27	+38 51 20.74	+1	21.13	+2	8	20.80	−16	11	—	—	—	21.55	+19	5	—	—	—	—	—	—
194	π Bootis pr.	14 35	+16 57 18.72	+1	17.96	+4	6	17.85	−6	7	—	—	—	18.82	+22	5	—	—	—	—	—	—
195	ζ Boot. med.	14 35	+14 15 56.24	+2	56.21	+4	5	56.10	−8	5	56.22	−74	11	55.67	+22	4	—	—	—	—	—	—
196	μ Virginis	14 36	−5 6 49.36	—	—	—	—	47.96	−58	7	46.74	−153	1	—	—	—	—	—	—	—	—	—
197	109 Virginis	14 40	+2 25 15.34	−0	14.74	−2	3	14.94	−30	4	—	—	—	12.89	+21	5	—	—	—	—	—	—
198	β Ursae min.	14 51	+74 39 58.91	+3	58.57	+29	26	58.75	+27	160	59.27	−12	128	58.77	+7	12	57.91	+115	15	58.66	−10	36
199	β Bootis	14 57	+40 53 4.24	+0	4.11	+8	8	4.26	−15	28	5.42	−64	26	5.11	+17	5	4.31	−18	....	4.81	−42	16
200	β Librae	15 10	−8 55 12.98	+0	13.01	−11	8	12.84	−75	49	11.50	−166	21	13.51	+20	4	12.29	−49	18	12.78	−55	16

Declinationen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	AR	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Corr.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
201	δ Bootis	$15^h\ 10^m$	$+33^\circ\ 46'\ 55''.99$	$+0\ 56''.21$	$+\ 3$	9		$56''.12$	-16	35	$56''.41$	-58	35	$56''.67$	$+18$	4	—	—	—	—	—	—
202	μ Bootis	15 20	$+37\ 48\ 59.16$	$+0\ 59.24$	$+\ 4$	8		59.25	-16	21	60.34	-63	11	—	—	—	—	—	—	—	—	—
203	γ Ursae min.	15 21	$+72\ 16\ 43.65$	$+2\ 43.65$	$+33$	14		43.60	$+27$	6	43.82	-17	31	44.03	$+\ 7$	10	$42''.56$	$+118$	7	$16''.97$	-20	16
204	ι Draconis	15 22	$+59\ 24\ 16.25$	$+2\ 16.44$	$+37$	16		16.86	$+11$	5	16.99	-46	9	—	—	—	15.70	$+95$	8	—	—	—
205	β Coronae	15 23	$+29\ 32\ 15.75$	$+1\ 15.08$	$+\ 5$	8		15.28	-12	15	15.91	-54	15	15.11	$+18$	4	—	—	—	—	—	—
206	ν^1 Bootis	15 26	$+41\ 15\ 36.13$	$+4\ 35.49$	$+\ 9$	5		36.75	-15	7	—	—	—	37.54	$+16$	5	—	—	—	—	—	—
207	ν^2 Bootis	15 27	$+41\ 19\ 27.90$	$+1\ 27.72$	$+10$	1		28.20	-15	6	—	—	—	29.33	$+16$	5	—	—	—	—	—	—
208	ϑ Coronae	15 28	$+31\ 46\ 55.53$	$+8\ 55.46$	$+\ 5$	4		56.26	-14	6	—	—	—	—	—	—	—	—	—	—	—	—
209	α Coronae	15 29	$+27\ 8\ 11.53$	$-6\ 11.68$	$+\ 8$	8		11.36	$-\ 8$	159	12.19	-55	73	11.17	$+19$	5	11.91	-38	....	12.07	-57	16
210	ζ Coronae seq.	15 35	$+37\ 2\ 33.39$	....	33.34	$+\ 5$	8	34.25	-17	3	33.85	-63	5	—	—	—	—	—	—	—	—	—
211	γ Coronae	15 37	$+26\ 41\ 34.23$	$+4\ 33.51$	$+\ 8$	8		33.65	$-\ 7$	5	34.28	-56	3	—	—	—	—	—	—	—	—	—
212	α Serpentis	15 38	$+\ 6\ 49\ 12.55$	$+2\ 13.16$	$+\ 5$	11		12.87	-19	85	13.69	-103	44	12.84	$+19$	4	13.11	-52	....	13.45	-65	16
213	β Serpentis	15 40	$+15\ 48\ 51.73$	$+1\ 51.68$	$+\ 8$	6		50.92	$-\ 7$	1	52.27	-73	10	52.44	$+19$	5	—	—	—	—	—	—
214	μ Serpentis	15 43	$-\ 3\ 2\ 46.47$	$-3\ 43.35$	$-\ 3$	1		44.61	-50	4	—	—	—	46.51	$+19$	5	—	—	—	—	—	—
215	$\varkappa$ Serpentis	15 43	$+18\ 31\ 43.94$	$+6\ 44.07$	$+\ 8$	6		44.97	$-\ 5$	3	44.95	-66	7	—	—	—	—	—	—	—	—	—
216	ε Serpentis	15 45	$+\ 4\ 51\ 19.63$	$+1\ 18.91$	$+\ 4$	8		19.45	-23	25	20.55	-111	18	17.94	$+19$	3	—	—	—	—	—	—
217	ζ Ursae min.	15 49	$+78\ 10\ 41.09$	$-5\ 40.85$	$+32$	6		40.57	$+26$	67	40.91	-10	41	40.50	$+\ 8$	11	40.31	$+119$	8	40.62	$-\ 7$	28
218	γ Serpentis	15 51	$+16\ 4\ 15.34$	$+2\ 15.55$	$+\ 9$	9		15.25	$-\ 7$	19	15.96	-73	8	16.20	$+18$	2	—	—	—	—	—	—
219	ε Coronae	15 52	$+27\ 14\ 27.70$	$+2\ 27.16$	$+\ 9$	4		27.56	$-\ 8$	5	28.55	-56	15	—	—	—	—	—	—	—	—	—
220	ϑ Draconis	16 0	$+58\ 53\ 58.43$	$+1\ 58.70$	$+38$	16		58.61	$+10$	15	59.13	-48	15	59.36	$+\ 8$	5	57.66	$+96$	....	58.71	-19	16
221	φ Herculis	16 5	$+45\ 15\ 48.60$	$-0\ 48.80$	$+19$	9		49.01	-13	5	—	—	—	—	—	—	—	—	—	—	—	—
222	δ Ophiuchi	16 8	$-\ 3\ 22\ 14.98$	$+1\ 15.51$	$-\ 2$	7		14.57	-51	47	13.58	-150	30	15.46	$+18$	5	14.70	-47	14	14.71	-58	16
223	ε Ophiuchi	16 12	$-\ 4\ 23\ 10.83$	$+1\ 10.53$	$-\ 3$	8		10.04	-55	22	8.62	-153	5	10.04	$+18$	5	—	—	—	—	—	—
224	τ Herculis	16 16	$+46\ 36\ 43.10$	$+2\ 42.90$	$+21$	14		43.16	-11	23	43.37	-67	23	—	—	—	—	—	—	—	—	—
225	γ Herculis	16 16	$+19\ 26\ 52.77$	$-0\ 52.51$	$+10$	8		52.90	$-\ 4$	60	53.93	-66	17	52.40	$+17$	2	—	—	—	—	—	—
226	η Draconis	16 22	$+61\ 47\ 50.68$	$+2\ 50.62$	$+39$	10		50.45	$+16$	55	51.42	-43	30	51.40	$+\ 7$	3	50.37	$+108$	6	51.51	-14	46
227	λ Ophiuchi	16 25	$+\ 2\ 15\ 32.53$	$+2\ 33.01$	$+\ 3$	8		33.29	-31	17	33.62	-125	4	31.34	$+17$	6	32.95	-50	....	32.62	-59	16
228	β Herculis	16 25	$+21\ 45\ 47.98$	$+0\ 47.83$	$+10$	8		47.88	$-\ 4$	18	48.09	-62	19	—	—	—	48.45	-42	....	47.92	-56	16
229	A Draconis	16 28	$+69\ 2\ 18.97$	$-1\ 18.77$	$+37$	8		18.27	$+26$	18	18.94	-25	25	18.97	$+10$	6	17.35	$+121$	7	—	—	—
230	σ Herculis	16 30	$+42\ 41\ 45.22$	$+2\ 44.62$	$+14$	4		44.67	-14	8	45.42	-67	6	—	—	—	45.08	$-\ 6$	....	45.25	-33	16
231	ζ Herculis	16 37	$+31\ 49\ 49.39$	$-3\ 49.65$	$+\ 6$	8		49.21	-15	84	49.98	-58	51	48.65	$+16$	5	49.19	-27	25	50.33	-48	16
232	η Herculis	16 39	$+39\ 9\ 39.90$	$-2\ 39.82$	$+\ 8$	9		39.95	-16	13	40.44	-66	5	40.86	$+14$	5	—	—	—	—	—	—
233	$\varkappa$ Ophiuchi	16 52	$+\ 9\ 34\ 15.23$	$+0\ 15.19$	$+\ 7$	8		15.48	-14	40	15.92	-96	21	14.69	$+16$	5	15.63	-51	20	16.00	-58	16
234	ε Herculis	16 56	$+31\ 6\ 42.00$	$+2\ 41.89$	$+\ 6$	9		42.22	-14	49	42.62	-58	49	41.25	$+15$	5	—	—	—	—	—	—
235	ε Ursae min.	16 59	$+82\ 14\ 22.96$	$+1\ 22.51$	$+30$	10		22.46	$+25$	108	22.61	$-\ 1$	32	21.49	$+12$	14	21.39	$+106$	9	22.90	$+\ 5$	26
236	ζ Draconis	17 8	$+65\ 52\ 7.27$	$+8\ 7.24$	$+40$	11		7.43	$+23$	32	7.35	-32	26	—	—	—	—	—	—	—	—	—
237	α Herculis	17 9	$+14\ 32\ 3.08$	$-2\ 3.34$	$+\ 9$	10		3.34	$-\ 8$	84	4.44	-80	34	3.62	$+16$	5	4.10	-50	....	3.57	-54	16
238	δ Herculis	17 10	$+24\ 59\ 16.50$	—	—	—	—	16.58	$-\ 4$	20	17.45	-59	6	—	—	—	—	—	—	—	—	—
239	π Herculis	17 11	$+36\ 57\ 4.03$	$+1\ 4.06$	$+\ 6$	2		3.50	-17	15	4.38	-66	20	4.46	$+14$	5	4.35	-22	....	3.61	-34	16
240	β Draconis	17 28	$+52\ 23\ 40.79$	$+0\ 40.76$	$+29$	15		40.25	$-\ 3$	56	41.46	-64	38	41.29	$+\ 9$	5	40.14	$+46$	9	40.92	-12	16
241	α Ophiuchi	17 29	$+12\ 39\ 8.70$	$-4\ 9.36$	$+\ 7$	12		9.56	-10	156	10.10	-87	121	9.68	$+16$	5	9.68	-54	....	9.73	-50	16
242	ν^1 Draconis	17 30	$+55\ 16\ 13.22$	$+1\ 12.94$	$+33$	3		13.24	$+\ 1$	3	—	—	—	—	—	—	—	—	—	—	—	—
243	ν^2 Draconis	17 30	$+55\ 15\ 31.69$	—	—	—	—	31.80	$+\ 1$	3	—	—	—	—	—	—	—	—	—	—	—	—
244	ι Herculis	17 36	$+46\ 4\ 25.67$	$-1\ 25.13$	$+19$	11		24.88	-11	10	26.38	-69	4	—	—	—	—	—	—	—	—	—
245	β Ophiuchi	17 37	$+\ 4\ 37\ 16.67$	$+1\ 16.00$	$+\ 4$	9		16.56	-24	71	17.37	-117	50	—	—	—	—	—	—	—	—	—
246	μ Herculis	17 42	$+27\ 47\ 41.94$	$+4\ 41.89$	$+\ 7$	1		42.02	$-\ 9$	89	43.05	-59	54	41.51	$+17$	3	42.25	-40	29	42.66	-40	16
247	γ Ophiuchi	17 42	$+\ 2\ 45\ 21.14$	$-7\ 21.66$	$+\ 2$	5		23.20	-31	3	—	—	—	—	—	—	—	—	—	—	—	—
248	ξ Draconis	17 51	$+56\ 53\ 33.71$	$-0\ 33.37$	$+33$	6		34.89	$+\ 5$	9	35.74	-67	2	—	—	—	—	—	—	—	—	—
249	ϑ Herculis	17 52	$+37\ 16\ 5.42$	$+0\ 5.35$	$+\ 4$	3		4.98	-17	2	—	—	—	—	—	—	—	—	—	—	—	—
250	ν Ophiuchi	17 52	$-\ 9\ 45\ 22.19$	$-0\ 21.87$	-12	1		20.92	-78	8	—	—	—	—	—	—	—	—	—	—	—	—

Declinationen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	AR	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Corr.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
251	ξ Herculis	17h 53m	+29° 15′ 45″.04	+0	45″.34	+5	2	44″.01	−11	3	45″.94	−59	4	—	—	—	—	—	—	—	—	—
252	γ Draconis	17 54	+51 30 15.26	+2	15.24	+27	25	15.12	−4	106	15.93	−66	69	15″.43	+17	4	15″.09	+35	50	15″.78	−8	12
253	67 Ophiuchi	17 54	+2 56 21.94	+0	21.28	+1	5	22.38	−29	3	22.21	−125	7	—	—	—	—	—	—	—	—	—
254	72 Ophiuchi	18 1	+9 32 51.80	+3	51.41	+5	9	51.57	−14	55	52.03	−98	19	—	—	—	—	—	—	—	—	—
255	ο Herculis	18 3	+28 44 47.87	+1	47.28	+6	8	47.61	−11	12	49.02	−59	5	47.41	+16	4	—	—	—	—	—	—
256	δ Ursae min.	18 13	+86 36 27.85	−2	27.42	+26	4	27.28	+22	466	27.63	+2	457	27.51	+15	19	27.37	+86	....	27.35	+21	34
257	η Serpentis	18 15	−2 55 46.02	−1	46.15	−5	6	45.71	−50	31	44.41	−152	10	46.63	+18	3	—	—	—	—	—	—
258	109 Herculis	18 18	+21 42 51.43	+3	51.19	+7	7	51.95	−4	4	51.79	−66	2	51.19	+18	5	—	—	—	—	—	—
259	χ Draconis	18 23	+72 40 40.81	+0	41.06	+32	16	41.66	+27	13	41.20	−23	10	40.19	+6	3	39.64	+107	10	—	—	—
260	α Lyrae	18 33	+38 40 6.55	+3	6.74	+3	53	6.33	−16	234	6.82	−70	211	6.73	+16	4	6.58	−33	....	6.23	−17	16
261	ε Lyrae a. pr.	18 40	+39 32 24.83	+6	25.59	+5	8	25.83	−16	5	26.51	−71	5	—	—	—	25.57	−34	....	25.15	−16	16
262	5 Lyrae med.	18 40	+39 28 58.32	—	—	—	—	58.59	−16	11	—	—	—	—	—	—	—	—	—	—	—	—
263	110 Herculis	18 40	+20 25 40.97	+4	40.47	+6	6	41.14	−4	6	—	—	—	40.71	+19	5	—	—	—	—	—	—
264	β Lyrae	18 45	+33 13 7.24	−4	7.65	0	7	8.16	−17	161	8.24	−65	63	7.01	+17	4	7.98	−44	35	7.62	−24	16
265	ο Dracon. seq.	18 49	+59 14 9.80	—	—	—	—	9.78	+11	11	10.13	−52	4	—	—	—	8.26	+78	....	9.59	+6	16
266	ϑ Serp. pr.	18 50	+4 2 33.85	+2	33.09	−1	4	33.75	−26	4	—	—	—	—	—	—	—	—	—	—	—	—
267	ε Aquilae	18 54	+14 53 59.90	−3	60.00	+3	6	60.04	−7	68	60.79	−81	58	59.56	+20	6	—	—	—	—	—	—
268	γ Lyrae	18 54	+32 31 9.40	−1	9.56	−1	2	9.64	−15	63	9.86	−63	47	—	—	—	—	—	—	—	—	—
269	λ Aquilae	19 0	−5 4 5.66	+1	5.73	−10	5	5.34	−58	22	4.63	−161	11	—	—	—	5.21	−68	8	5.75	−30	16
270	ζ Aquilae	19 0	+13 40 44.68	−3	44.80	+2	8	44.89	−9	135	45.46	−85	68	43.63	+20	6	45.37	−71	24	45.13	−36	16
271	δ Draconis	19 13	+67 26 29.80	+2	29.85	+32	16	29.87	+24	104	30.44	−32	66	29.76	+9	9	29.05	+95	....	30.13	+15	16
272	κ Cygni	19 14	+53 8 18.35	−1	18.22	+24	11	18.36	−2	39	19.11	−65	24	19.68	+13	7	18.57	+33	....	18.69	+3	16
273	τ Draconis	19 18	+73 7 22.25	−1	21.92	+27	13	22.24	+27	37	22.31	−22	31	—	—	—	—	—	—	—	—	—
274	δ Aquilae	19 19	+2 52 1.36	−0	1.46	−5	4	1.79	−29	54	2.54	−126	25	3.22	+20	7	1.63	−74	37	2.01	−34	16
275	β Cygni	19 26	+27 41 54.16	+2	53.52	−1	6	53.03	−9	1	54.33	−61	65	54.26	+20	10	54.59	−58	....	54.19	−27	16
276	ι Cygni	19 27	+51 27 50.78	+1	50.80	+20	9	50.70	−4	8	51.04	−67	3	—	—	—	50.86	+19	....	51.34	+2	16
277	γ Aquilae	19 40	+10 18 36.15	+2	36.05	−3	9	36.21	−13	129	36.77	−98	46	35.99	+19	6	36.92	−75	....	36.50	−36	16
278	δ Cygni	19 41	+44 49 35.50	+1	35.28	+7	9	35.81	−13	27	36.17	−72	19	—	—	—	36.21	−23	....	35.40	−5	16
279	δ Sagittae	19 42	+18 13 37.83	−1	38.31	−1	8	38.57	−5	6	—	—	—	37.16	+19	7	—	—	—	—	—	—
280	α Aquilae	19 45	+8 32 22.63	+1	22.61	−4	10	22.73	−16	176	23.51	−104	87	22.53	+19	6	23.53	−76	....	22.69	−36	16
281	η Aquilae	19 46	+0 41 10.62	−7	10.98	−9	8	11.01	−35	18	—	—	—	10.31	+19	6	—	—	—	—	—	—
282	ε Draconis	19 49	+69 56 58.24	−3	57.92	+26	13	58.01	+27	106	58.33	−28	14	58.65	+29	10	—	—	—	—	—	—
283	β Aquilae	19 49	+6 5 45.58	−1	45.53	−6	10	45.44	−21	85	45.90	−114	33	45.40	+19	4	46.74	−77	....	45.95	−34	16
284	λ Ursae min.	19 49	+88 55 51.34	+4	51.04	+14	5	51.22	+20	207	51.63	+4	293	51.41	+26	20	51.06	+46	31	51.29	+31	40
285	ψ Cygni	19 52	+52 6 27.88	+6	27.34	+19	11	28.48	−4	3	28.04	−68	7	—	—	—	27.32	+22	....	27.98	+4	16
286	γ Sagittae	19 53	+19 9 14.14	+2	14.17	−2	7	13.95	−5	4	—	—	—	—	—	—	—	—	—	—	—	—
287	ϑ Aquilae	20 5	−1 11 27.40	−1	26.63	−12	8	26.53	−42	35	25.68	−146	13	27.21	+19	7	—	—	—	—	—	—
288	ο¹ seq. Cygni	20 10	+46 21 46.61	+5	46.67	+7	14	46.73	−11	6	47.08	−72	7	—	—	—	47.09	−19	....	47.13	−3	16
289	γ Cygni	20 18	+39 51 26.95	+1	27.52	−5	8	27.01	−16	46	27.35	−72	47	26.78	+15	9	27.07	−44	....	27.02	−10	16
290	ε Delphini	20 27	+10 52 46.73	−1	46.34	−8	9	46.82	−12	56	47.33	−95	11	46.55	+18	10	—	—	—	—	—	—
291	ϑ Cephei	20 27	+62 34 27.56	−1	27.20	+25	13	27.22	+17	80	27.79	−44	45	—	—	—	26.26	+80	8	—	—	—
292	β Delphini	20 32	+14 9 41.11	+8	41.29	−6	5	41.46	−8	20	—	—	—	40.57	+17	11	—	—	—	—	—	—
293	α Delphini	20 34	+15 28 19.81	+4	20.23	−6	6	20.14	−7	61	20.87	−82	19	19.68	+17	11	—	—	—	—	—	—
294	α Cygni	20 37	+44 50 3.86	+1	4.18	+2	87	4.11	−13	85	4.85	−73	48	2.95	+13	11	4.31	−28	40	4.26	−5	16
295	δ Delphini	20 38	+14 37 38.54	−2	37.94	−7	6	38.14	−7	11	39.46	−84	11	—	—	—	—	—	—	—	—	—
296	γ Delph. seq.	20 41	+15 40 29.73	−1	29.55	−7	6	29.89	−7	18	30.36	−81	12	—	—	—	30.77	−79	....	29.86	−35	16
297	ε Aquarii	20 41	−9 57 7.44	+3	7.36	−26	5	7.21	−80	39	5.96	−179	9	—	—	—	—	—	—	—	—	—
298	ε Cygni	20 41	+33 30 10.44	−2	11.13	−11	4	10.89	−15	17	11.42	−67	21	9.67	+15	9	11.54	−56	8	10.45	−21	16
299	η Cephei	20 43	+61 21 13.54	−14	12.91	+23	13	13.14	+15	72	13.65	−49	40	12.74	+7	8	—	—	—	—	—	—
300	ν Cygni	20 53	+40 41 12.33	0	12.42	−7	8	12.28	−16	13	—	—	—	10.73	+13	10	—	—	—	—	—	—

Declinationen für 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Stern	AR	Pulkowa 1865	Pulkowa 1845				Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Corr.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
301	ξ Cygni	21h 0m	+43° 25′ 47″.43	+0	47″.36	−4	8	47″.80	−14	33	48″.36	−73	22	—	—	—	—	—	—	—	—	—
302	61 Cygni pr.	21 1	+38 8 8.50	0	8.10	−11	55	8.44	−16	86	9.33	−72	19	7″.87	+13	10	8″.98	−51	14	8″.66	−14	16
303	ζ Cygni	21 8	+29 42 54.24	−0	53.81	−11	8	54.12	−12	136	54.73	−62	57	54.78	+15	12	54.71	−63	29	—	—	—
304	α Equulei	21 10	+4 43 55.42	−3	55.64	−13	8	55.89	−24	30	56.72	−120	9	—	—	—	—	—	—	—	—	—
305	τ Cygni	21 10	+37 30 45.10	+3	45.65	−12	7	45.50	−17	11	45.94	−71	9	44.80	+13	10	—	—	—	—	—	—
306	α Cephei	21 16	+62 3 22.95	+3	22.10	+20	30	22.40	+16	126	23.30	−47	118	22.71	+5	12	22.02	+74	30	23.42	+11	68
307	β Aquarii	21 25	−6 7 12.40	+0	12.22	−24	3	12.18	−63	62	11.14	−167	16	11.20	+15	7	11.17	−79	19	12.23	−30	16
308	β Cephei	21 27	+70 0 44.06	+7	43.85	+18	20	43.53	+27	133	44.06	−29	87	43.86	+26	20	43.13	+88	12	43.80	+17	64
309	ε Pegasi	21 38	+9 18 9.58	−0	10.44	−12	8	9.84	−15	73	10.76	−113	27	10.55	+15	11	10.67	−84	21	10.53	−39	16
310	κ Pegasi	21 39	+25 4 16.32	−1	16.52	−9	8	16.42	−4	1	17.01	−65	22	—	—	—	—	—	—	—	—	—
311	α Aquarii	21 59	−0 55 34.88	+5	34.34	−17	15	34.49	−41	54	33.22	−147	23	35.57	+14	12	33.99	−82	....	34.69	−37	16
312	ι Pegasi	22 1	+24 44 6.65	+0	6.71	−7	8	6.76	−4	57	7.50	−65	15	6.60	+14	11	—	—	—	—	—	—
313	27 Pegasi	22 4	+32 33 44.40	—	—	—	—	43.97	−15	4	45.12	−66	9	—	—	—	—	—	—	—	—	—
314	ϑ Pegasi	22 4	+5 35 0.45	0	0.92	−11	8	1.28	−22	14	—	—	—	1.78	+14	10	—	—	—	—	—	—
315	π Pegasi	22 4	+32 33 55.72	+1	56.07	−10	5	55.79	−15	6	56.88	−66	6	—	—	—	—	—	—	—	—	—
316	ζ Cephei	22 7	+57 35 8.13	+1	7.75	+22	18	7.56	+7	8	8.64	−59	2	7.64	+5	12	7.48	+54	....	8.00	+2	16
317	γ Aquarii	22 15	−2 0 59.95	—	—	—	—	58.80	−45	47	57.77	−151	11	59.84	+14	8	58.33	−82	....	59.67	−38	16
318	δ Cephei	22 25	+57 46 32.85	−0	33.02	+26	5	33.06	+7	11	—	—	—	—	—	—	—	—	—	—	—	—
319	7 Lacertae	22 26	+49 38 25.00	−0	24.56	+15	16	24.59	−7	17	25.20	−72	14	25.49	+8	6	25.07	−3	....	25.17	−7	16
320	η Aquarii	22 29	−0 45 40.80	−2	40.92	−18	2	40.08	−40	61	38.43	−146	16	40.98	+14	10	39.59	−82	13	39.93	−40	16
321	ζ Pegasi	22 35	+10 10 45.29	+2	45.36	−1	8	45.34	−13	40	46.43	−100	14	45.46	+13	10	46.54	−84	16	45.81	−44	16
322	η Pegasi	22 37	+29 34 4.41	−2	4.61	−1	5	4.90	−12	34	5.13	−63	13	4.89	+12	12	—	—	—	—	—	—
323	λ Pegasi	22 41	+22 54 30.01	−1	29.95	+3	2	29.98	−4	5	29.88	−68	18	29.83	+13	11	30.74	−75	....	30.24	−40	16
324	μ Pegasi	22 44	+23 56 30.92	+0	30.94	+4	4	31.01	−4	85	31.61	−67	30	30.95	+13	10	—	—	—	—	—	—
325	ι Cephei	22 45	+65 32 35.65	0	35.28	+34	12	35.23	+23	17	36.25	−39	12	35.34	+2	7	34.86	+82	10	—	—	—
326	λ Aquarii	22 46	−8 14 39.65	−2	39.56	−14	2	39.24	−73	30	37.91	−175	19	40.02	+13	3	—	—	—	—	—	—
327	o Androm.	22 56	+41 39 16.17	−1	16.15	+9	4	17.17	−15	1	16.97	−74	7	15.21	+10	10	16.46	−43	....	16.27	−20	16
328	β Pegasi	22 58	+27 24 18.01	+5	18.10	+6	8	18.05	−8	14	18.71	−64	12	—	—	—	—	—	—	—	—	—
329	α Pegasi	22 59	+14 31 58.89	−2	59.46	+6	10	58.90	−7	64	59.57	−86	41	59.24	+13	12	59.82	−82	....	59.15	−46	16
330	γ Piscium	23 11	+2 35 58.72	−2	57.79	+2	8	58.07	−30	83	59.38	−131	11	59.51	+13	8	58.99	−84	44	—	—	—
331	λ Androm.	23 31	+45 46 51.43	+0	51.75	+21	8	51.73	−12	3	—	—	—	50.20	+8	10	—	—	—	—	—	—
332	ι Androm.	23 32	+42 34 34.10	+7	33.76	+15	8	33.74	−14	33	34.54	−74	12	—	—	—	—	—	—	—	—	—
333	ι Piscium	23 34	+4 56 55.44	−2	55.30	+7	8	55.79	−23	66	57.01	−120	18	57.25	+12	5	56.40	−83	29	56.67	−49	16
334	γ Cephei	23 34	+76 56 4.71	+2	4.37	+34	13	4.48	+27	76	5.36	−19	67	4.68	+20	13	3.64	+87	12	4.98	+9	64
335	κ Androm.	23 34	+43 38 30.87	+9	30.86	+17	3	30.36	−14	3	—	—	—	—	—	—	—	—	—	—	—	—
336	ω Piscium	23 53	+6 10 16.76	−5	15.87	+9	9	16.45	−21	61	17.47	−114	15	17.27	+12	8	16.78	−82	19	—	—	—

II. Zusatzsterne.

Nr.	Stern	AR	Pulkowa 1871	Greenwich 1861			Greenwich 1872			Cambridge 1872			Leipzig 1868			Leiden 1868		
337	22 Androm.	0h 4m	+45° 22′ 35″.46	34″.71	−0″.13	3	—	—	—	34″.58	+0″.08	10	—	—	—	—	—	—
338	Br. 6	0 9	+76 15 21.43	21.37	+0.27	19	21″.48	−0″.20	32	—	—	—	—	—	—	—	—	—
339	12 Ceti	0 24	−4 38 53.25	53.86	−0.57	35	52.38	−1.61	20	53.16	+0.12	4	53″.44	−0″.77	18	53″.76	−0″.49	16
340	21 Cassiop.	0 37	+74 18 15.21	15.84	+0.27	15	16.29	−0.22	12	14.99	+0.01	3	—	—	—	—	—	—
341	o Cassiop.	0 38	+47 35 59.10	58.86	−0.09	3	59.53	−0.72	8	—	—	—	60.00	−0.14	....	59.94	−0.25	16
342	δ Piscium	0 42	+6 54 14.99	15.55	−0.19	32	16.33	−1.10	18	—	—	—	—	—	—	—	—	—
343	Br. 82	0 43	+63 33 59.23	58.80	+0.19	9	—	—	—	—	—	—	—	—	—	—	—	—
344	43 H. Cephei	0 52	+85 35 7.18	7.24	+0.23	14	7.95	−0.01	3	—	—	—	—	—	—	—	—	—
345	44 H. Cephei	1 2	+79 0 27.19	26.62	+0.26	3	26.90	−0.14	2	—	—	—	—	—	—	—	—	—

Declinationen für 1875.0. II. Zusatzsterne.

Nr.	Stern	AR	Pulkowa 1871	Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
346	ψ Cassiopejae	1h 17m	+67° 28′ 35″.78	34″.47	+0″.24	3	36″.48	−0″.33	3	—	—	—	—	—	—	—	—	—
347	40 Cassiopejae	1 29	+72 24 6.25	6.00	+0.27	18	6.37	−0.23	17	—	—	—	—	—	—	—	—	—
348	43 Cassiopejae	1 33	+67 24 34.17	34.65	+0.25	17	34.89	−0.32	16	—	—	—	—	—	—	—	—	—
349	ν Piscium	1 35	+ 4 51 15.23	15.50	−0.23	72	16.42	−1.18	41	16″.29	+0″.14	7	15″.85	−0″.77	19	—	—	—
350	55 Cassiopejae	2 5	+65 56 13.21	13.07	+0.23	10	12.56	−0.34	8	11.88	+0.04	5	—	—	—	—	—	—
351	6 Persei	2 5	+50 29 1.86	1.53	−0.05	9	2.37	−0.67	5	1.82	+0.09	3	0.67	+0.14	13	—	—	—
352	γ Trianguli	2 10	+33 16 4.05	5.02	−0.15	5	—	—	—	3.85	+0.13	6	—	—	—	—	—	—
353	67 Ceti	2 11	− 6 59 55.76*)	56.88	−0.67	28	55.68	−1.65	14	58.64	+0.15	5	56.34	−0.68	13	—	—	—
354	ϑ Arietis	2 11	+19 19 17.99	18.82	−0.04	9	18.79	−0.69	10	—	—	—	—	—	—	—	—	—
355	ν Arietis	2 32	+21 25 10.48	10.74	−0.04	27	11.31	−0.64	10	10.66	+0.17	9	—	—	—	—	—	—
356	Br. 366	2 34	+67 17 29.47	28.97	+0.24	25	30.04	−0.29	14	—	—	—	—	—	—	—	—	—
357	35 Arietis	2 36	+27 10 25.77	26.26	−0.07	5	25.80	−0.58	11	—	—	—	—	—	—	—	—	—
358	47 H. Cephei	2 50	+78 55 17.55	17.06	+0.26	9	17.18	−0.10	11	17.85	+0.05	9	15.56	+1.00	8	—	—	—
359	δ Arietis	3 4	+19 15 8.10	8.59	−0.05	73	9.29	−0.66	18	7.92	+0.18	4	9.25	−0.59	15	9″.09	−0″.67	16
360	48 H. Cephei	3 5	+77 16 19.64	19.63	+0.27	6	18.56	−0.11	22	19.33	+0.06	8	—	—	—	—	—	—
361	2 H. Camelop.	3 19	+59 30 8.44	9.27	+0.11	12	—	—	—	—	—	—	—	—	—	—	—	—
362	σ Persei	3 22	+47 33 42.14	41.84	−0.09	6	—	—	—	—	—	—	42.11	+0.05	9	—	—	—
363	Gr. 716	3 31	+62 48 32.32	32.61	+0.17	15	32.67	−0.35	4	31.22	+0.10	9	31.27	+0.99	8	—	—	—
364	5 H. Camelop.	3 37	+70 56 37.87	38.64	+0.27	2	37.84	−0.18	11	—	—	—	37.04	+1.12	....	38.43	−0.15	16
365	9 H. Camelop.	3 46	+60 44 24.09	24.30	+0.13	2	24.65	−0.39	5	22.95	+0.13	6	25.86	+0.96	8	—	—	—
366	o^1 Eridani	4 6	− 7 9 53.81	54.60	−0.67	16	52.72	−1.58	6	55.19	+0.25	8	53.58	−0.51	9	—	—	—
367	54 Persei	4 12	+34 15 45.51	46.38	−0.16	3	45.89	−0.55	2	—	—	—	—	—	—	—	—	—
368	1 Camelop. seq.	4 22	+53 38 11.23	10.59	−0.01	5	—	—	—	12.64	+0.20	9	—	—	—	—	—	—
369	Gr. 848	4 32	+75 42 32.70	33.26	+0.27	1	32.66	−0.06	10	—	—	—	—	—	—	—	—	—
370	τ Tauri	4 35	+22 42 54.38	54.17	−0.04	23	54.65	−0.53	14	54.46	+0.29	7	—	—	—	—	—	—
371	4 Camelopardi	4 38	+56 31 55.86	55.44	+0.04	3	57.04	−0.47	8	55.79	+0.21	8	55.05	+0.77	8	56.41	−0.21	16
372	ι Tauri	4 56	+21 24 33.20	33.42	−0.04	10	33.68	−0.54	7	33.76	+0.31	6	—	—	—	—	—	—
373	19 H. Camelop.	5 2	+79 4 54.26	54.03	+0.26	41	53.85	0.00	13	—	—	—	—	—	—	—	—	—
374	μ Aurigae	5 5	+38 20 1.71	2.35	−0.16	9	2.76	−0.57	17	1.71	+0.30	7	2.39	−0.18	8	2.60	−0.37	16
375	17 Camelopardi	5 18	+62 57 33.55	33.19	+0.18	8	33.71	−0.28	15	—	—	—	—	—	—	—	—	—
376	φ^1 Orionis	5 28	+ 9 24 10.19	10.48	−0.14	5	—	—	—	—	—	—	—	—	—	—	—	—
377	o Aurigae	5 36	+49 46 7.47	7.31	−0.06	4	7.58	−0.55	2	7.10	+0.33	6	—	—	—	—	—	—
378	130 Tauri	5 40	+17 40 48.42	49.39	−0.05	7	—	—	—	—	—	—	—	—	—	—	—	—
379	δ Aurigae	5 49	+54 16 18.98	19.26	0.00	8	19.56	−0.49	10	—	—	—	18.72	+0.68	....	19.52	−0.06	16
380	66 Orionis	5 58	+ 4 9 49.77	49.48	−0.25	2	—	—	—	—	—	—	—	—	—	—	—	—
381	36 Camelopardi	6 0	+65 44 22.30	21.74	+0.23	16	21.65	−0.21	4	—	—	—	—	—	—	—	—	—
382	ν Orionis	6 0	+14 46 52.64	52.67	−0.07	27	54.06	−0.67	4	52.28	+0.42	8	53.31	−0.44	9	—	—	—
383	22 H. Camelop.	6 5	+69 21 35.03	35.06	+0.27	15	35.74	−0.13	11	36.09	+0.31	13	—	—	—	—	—	—
384	2 Lyncis	6 9	+59 3 10.34	10.91	+0.10	4	—	—	—	—	—	—	—	—	—	—	—	—
385	ψ^1 Aurigae	6 15	+49 20 55.95	56.36	−0.07	7	—	—	—	—	—	—	—	—	—	—	—	—
386	8 Monocerotis	6 17	+ 4 39 15.76	15.88	−0.24	4	—	—	—	—	—	—	—	—	—	—	—	—
387	23 H. Camelop.	6 25	+79 41 36.81	36.05	+0.26	6	36.15	+0.04	12	—	—	—	—	—	—	—	—	—
388	8 Lyncis	6 26	+61 35 15.70	16.51	+0.15	8	15.97	−0.30	4	—	—	—	—	—	—	—	—	—
389	5^1 Aurigae	6 30	+39 29 54.11	54.47	−0.16	1	55.22	−0.55	8	—	—	—	—	—	—	—	—	—
390	ψ^5 Aurigae	6 38	+43 41 57.39	56.86	−0.14	2	59.55	−0.55	1	—	—	—	—	—	—	—	—	—
391	43 Camelopardi	6 40	+69 1 47.15	48.70	+0.27	4	—	—	—	—	—	—	—	—	—	—	—	—
392	18 Monocerotis	6 41	+ 2 32 49.08	49.87	−0.30	2	—	—	—	—	—	—	—	—	—	—	—	—
393	24 H. Camelop.	6 42	+77 7 52.84	—	—	—	51.88	0.00	1	—	—	—	—	—	—	—	—	—
394	15 Lyncis	6 46	+58 34 60.36	60.52	+0.09	10	61.32	−0.39	3	60.66	+0.39	4	59.91	+1.00	8	60.71	+0.08	16
395	63 Aurigae	7 3	+39 31 19.59	19.77	−0.16	5	20.15	−0.54	11	19.09	+0.47	4	19.67	−0.10	8	19.53	−0.11	16

*) Pulkowa 1876 (M.Kr.) − 6° 59′ 56″.63 8 B.

Declinationen für 1875.0. II. Zusatzsterne.

Nr.	Stern	AR	Pulkowa 1871	Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
396	64 Aurigae	$7^h\ 9^m$	$+41°\ 6'\ 10''.21$	11″.49	−0″.15	4	—	—	—	9″.93	+0″.48	7	—	—	—	—	—	—
397	19 Lyncis seq.	7 13	+55 30 50.88	51.13	+0.02	1	50″.83	−0″.45	2	—	—	—	—	—	—	—	—	—
398	ϱ Geminorum	7 21	+32 1 51.08	51.44	−0.15	3	51.80	−0.46	14	50.78	+0.50	6	51″.87	−0″.23	9	—	—	—
399	24 Lyncis	7 32	+58 59 60.01	59.80	+0.10	19	—	—	—	—	—	—	—	—	—	—	—	—
400	π Geminorum	7 39	+33 43 12.99	13.93	−0.16	5	13.85	−0.48	1	—	—	—	—	—	—	—	—	—
401	Gr. 1374	7 45	+74 14 52.86	52.26	+0.27	31	52.77	−0.03	13	52.16	+0.43	6	50.87	+1.25	9	—	—	—
402	26 Lyncis	7 46	+47 53 11.18	9.55	−0.09	6	—	—	—	—	—	—	—	—	—	—	—	—
403	53 Camelopardi	7 51	+60 39 48.72	47.50	+0.13	1	47.91	−0.31	2	—	—	—	—	—	—	—	—	—
404	χ Geminorum	7 56	+28 8 34.51	34.50	−0.09	66	35.29	−0.44	12	—	—	—	34.86	−0.31	14	—	—	—
405	27 Lyncis	7 59	+51 51 53.02	52.44	−0.03	3	—	—	—	—	—	—	—	—	—	—	—	—
406	Br. 1147	8 4	+76 8 4.96	4.72	+0.27	2	4.79	0.00	12	—	—	—	3.70	+1.23	....	4″.49	+0″.22	16
407	31 Lyncis	8 14	+43 35 13.69	13.35	−0.14	3	—	—	—	—	—	—	—	—	—	—	—	—
408	Gr. 1450	8 25	+38 26 35.19	—	—	—	35.87	−0.53	5	—	—	—	—	—	—	—	—	—
409	η Cancri	8 25	+20 51 51.25	50.87	−0.04	84	51.84	−0.51	19	50.38	+0.59	5	51.84	−0.44	5	—	—	—
410	Gr. 1446	8 26	+74 3 48.90	—	—	—	48.47	−0.02	4	—	—	—	—	—	—	—	—	—
411	Gr. 1460	8 30	+53 8 51.19*)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
412	σ^2 Cancri med.	8 47	+31 3 4.18	3.36	−0.14	4	4.90	−0.43	5	4.67	+0.59	4	—	—	—	—	—	—
413	ϱ Ursae maj.	8 51	+68 6 52.34	52.01	+0.25	12	51.96	−0.13	24	—	—	—	—	—	—	—	—	—
414	Gr. 1501	8 55	+54 46 29.09**)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
415	σ^2 Ursae maj.	8 59	+67 38 23.32	22.92	+0.25	26	23.14	−0.14	8	23.44	+0.31	13	21.87	+1.14	7	—	—	—
416	36 Lyncis	9 6	+43 43 53.61	53.31	−0.14	3	—	—	—	—	—	—	—	—	—	—	—	—
417	83 Cancri	9 12	+18 14 2.37	2.25	−0.05	79	3.01	−0.55	36	1.16	+0.60	4	2.76	−0.52	15	—	—	—
418	d Ursae maj.	9 23	+70 22 40.62	40.69	+0.27	9	—	—	—	39.99	+0.26	13	—	—	—	—	—	—
419	10 Leonis min.	9 27	+36 57 4.56	4.44	−0.17	7	4.71	−0.51	4	—	—	—	—	—	—	—	—	—
420	Gr. 1564	9 32	+69 48 16.73	—	—	—	17.11	−0.09	7	—	—	—	—	—	—	—	—	—
421	Gr. 1586	9 47	+73 28 20.60	19.88	+0.27	9	20.53	−0.04	23	20.19	+0.49	8	19.54	+1.11	8	—	—	—
422	19 Leonis min.	9 50	+41 38 59.11	59.26	−0.15	5	59.15	−0.53	5	—	—	—	—	—	—	—	—	—
423	π Leonis	9 54	+8 38 34.51	34.84	−0.16	61	35.83	−0.85	11	—	—	—	35.46	−0.62	14	—	—	—
424	30 H. Ursae maj.	10 15	+66 11 51.38	50.59	+0.23	21	51.11	−0.16	16	—	—	—	—	—	—	—	—	—
425	30 H. Camelop.	10 16	+83 11 34.33	—	—	—	34.30	−0.02	3	—	—	—	—	—	—	—	—	—
426	31 Leonis min.	10 21	+37 20 49.07	49.75	−0.17	12	48.92	−0.51	8	48.80	+0.58	8	49.50	−0.36	9	49.09	−0.35	16
427	36 Ursae maj.	10 23	+56 37 14.80	14.56	+0.04	6	14.92	−0.42	9	—	—	—	13.65	+0.63	....	14.53	−0.13	16
428	37 Ursae maj.	10 27	+57 43 32.50	32.26	+0.07	4	32.80	−0.38	9	—	—	—	—	—	—	—	—	—
429	35 H. Ursae maj.	10 34	+69 43 44.76	—	—	—	45.54	−0.10	9	—	—	—	—	—	—	—	—	—
430	41 Leonis min.	10 37	+23 50 31.78	31.95	−0.04	5	31.62	−0.47	11	—	—	—	—	—	—	—	—	—
431	42 Leonis min.	10 39	+31 20 24.16	24.26	−0.14	5	25.14	−0.45	3	24.70	+0.57	10	—	—	—	—	—	—
432	l Leonis	10 43	+11 12 21.79	21.65	−0.12	46	22.49	−0.76	26	20.51	+0.58	9	22.72	−0.71	7	—	—	—
433	Br. 1508	10 50	+78 26 21.03	20.60	+0.26	7	20.92	+0.03	12	—	—	—	—	—	—	—	—	—
434	χ Leonis	10 59	+8 0 40.64	40.79	−0.17	54	41.53	−0.88	19	40.51	+0.57	7	41.31	−0.74	8	—	—	—
435	Gr. 1757	11 10	+50 9 29.54	29.50	−0.06	5	—	—	—	—	—	—	—	—	—	—	—	—
436	Gr. 1771	11 15	+65 0 51.54	50.67	+0.22	17	51.44	−0.21	23	—	—	—	—	—	—	—	—	—
437	58 Ursae maj.	11 24	+43 51 33.30	33.11	−0.14	3	—	—	—	—	—	—	—	—	—	—	—	—
438	v Leonis	11 31	−0 8 0.94***)	1.50	−0.37	58	0.67	−1.24	11	3.41	+0.52	7	1.09	−0.75	7	—	—	—
439	3 Draconis	11 35	+67 26 12.20	11.43	+0.24	41	12.27	−0.16	15	—	—	—	—	—	—	—	—	—
440	Gr. 1852	11 59	+77 36 17.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
441	2 Canum ven.	12 10	+41 21 22.42	22.79	−0.15	3	—	—	—	—	—	—	—	—	—	—	—	—
442	6 Canum ven.	12 20	+39 42 44.09	43.53	−0.16	9	—	—	—	—	—	—	—	—	—	—	—	—
443	20 Comae Beren.	12 23	+21 35 18.52	18.88	−0.04	5	—	—	—	—	—	—	—	—	—	—	—	—
444	74 Ursae maj.	12 24	+59 5 37.31	38.22	+0.10	3	—	—	—	—	—	—	—	—	—	—	—	—
445	8 Canum ven.	12 28	+42 2 13.24	13.21	−0.15	37	13.03	−0.57	17	—	—	—	—	—	—	—	—	—

*) Pulkowa 1876 (M.Kr.) $+53°\ 8'\ 51''.39$ 12 B. — **) Pulkowa 1876 (M.Kr.) $+54°\ 46'\ 28''.82$ 13 B. — ***) Pulkowa 1875 (M.Kr.) $-0°\ 8'\ 1''.61$ 12 B.

Declinationen für 1875.0. II. Zusatzsterne.

Nr.	Stern	AR	Pulkowa 1871	Greenw. 1861			Greenw. 1872			Cambr. 1872			Leipzig 1868			Leiden 1868		
				Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.	Decl.	Red.	B.
446	24 ComaeBer.seq.	12h 29m	+ 19° 3′ 55.″62	56.″01	— 0.″04	3	—	—	—	—	—	—	—	—	—	—	—	—
447	76 Ursae maj.	12 36	+ 63 23 58.76	58.58	+ 0.19	11	58.″63	— 0.″28	19	—	—	—	—	—	—	—	—	—
448	8 Draconis	12 50	+ 66 7 1.27	0.60	+ 0.23	7	1.16	— 0.22	14	—	—	—	—	—	—	—	—	—
449	ϑ Virginis	13 3	— 4 52 15.38*)	15.98	— 0.58	33	14.78	— 1.48	19	16.″83	+ 0.″32	5	15.″24	— 0.″70	8	—	—	—
450	17 Canum ven.	13 4	+ 39 9 49.20	49.23	— 0.16	3	49.84	— 0.57	1	—	—	—	—	—	—	—	—	—
451	20 Canum ven.	13 12	+ 41 13 52.31	52.81	— 0.15	3	53.29	— 0.59	4	—	—	—	52.22	— 0.34	....	52.″36	— 0.″43	16
452	Gr. 2001	13 23	+ 73 2 27.82	27.65	+ 0.27	8	27.65	— 0.10	15	—	—	—	—	—	—	—	—	—
453	69 H. Ursae maj.	13 24	+ 60 35 30.71	—	—	—	31.16	— 0.36	5	—	—	—	—	—	—	—	—	—
454	17 H. Canum ven.	13 29	+ 37 49 24.00	23.97	— 0.16	5	25.42	— 0.57	2	—	—	—	—	—	—	—	—	—
455	Gr. 2029	13 34	+ 71 52 43.34	—	—	—	43.29	— 0.14	18	—	—	—	—	—	—	—	—	—
456	10 Draconis	13 48	+ 65 20 28.55	28.27	+ 0.22	33	28.70	— 0.25	33	—	—	—	—	—	—	—	—	—
457	11 Bootis	13 56	+ 27 59 28.38	28.41	— 0.09	5	28.57	— 0.51	14	—	—	—	—	—	—	—	—	—
458	*d* Bootis	14 5	+ 25 41 4.94	4.51	— 0.05	11	5.20	— 0.52	23	4.53	+ 0.24	5	—	—	—	—	—	—
459	4 Ursae min.	14 9	+ 78 8 5.48	6.64	+ 0.26	2	5.50	— 0.05	3	—	—	—	—	—	—	—	—	—
460	Gr. 2125	14 28	+ 60 46 36.76**)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
461	33 Bootis	14 34	+ 44 56 41.47	41.00	— 0.13	10	—	—	—	—	—	—	—	—	—	—	—	—
462	Gr. 2164	14 48	+ 59 48 9.26	10.48	+ 0.12	3	—	—	—	9.04	+ 0.11	5	—	—	—	—	—	—
463	P. 14, 221	14 50	+ 14 57 9.43***)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
464	2 H. Ursae min.	14 56	+ 66 25 50.92	51.11	+ 0.23	5	51.03	— 0.27	12	—	—	—	—	—	—	—	—	—
465	ψ Bootis	14 59	+ 27 26 9.98	9.82	— 0.08	54	10.70	— 0.54	16	8.79	+ 0.20	5	10.36	— 0.40	12	—	—	—
466	3 Serpentis	15 9	+ 5 24 16.67	17.33	— 0.22	3	—	—	—	—	—	—	—	—	—	—	—	—
467	1 H. Ursae min.	15 13	+ 67 49 17.94	18.45	+ 0.25	5	18.34	— 0.25	29	—	—	—	—	—	—	—	—	—
468	τ^1 Serpentis	15 20	+ 15 52 8.19	8.36	— 0.07	6	—	—	—	—	—	—	—	—	—	—	—	—
469	φ Bootis	15 33	+ 40 45 40.67	40.94	— 0.16	5	—	—	—	—	—	—	—	—	—	—	—	—
470	12 H. Draconis	15 45	+ 62 59 10.67	—	—	—	11.26	— 0.36	8	—	—	—	—	—	—	—	—	—
471	Gr. 2296	15 55	+ 55 6 12.87	—	—	—	—	—	—	12.85	+ 0.10	5	—	—	—	—	—	—
472	19 Ursae min.	16 14	+ 76 11 28.97	28.67	+ 0.27	11	29.11	— 0.12	32	28.32	+ 0.06	4	28.35	+ 1.21	7	—	—	—
473	ω Herculis	16 20	+ 14 19 20.75	21.28	— 0.08	4	21.76	— 0.79	4	20.49	+ 0.17	6	—	—	—	—	—	—
474	η Ursae min.	16 21	+ 76 2 33.04	33.18	+ 0.27	11	33.25	— 0.14	20	—	—	—	—	—	—	—	—	—
475	Gr. 2343	16 22	+ 55 29 24.30†)	23.91	+ 0.02	4	24.21	— 0.58	3	—	—	—	—	—	—	—	—	—
476	Gr. 2373	16 36	+ 77 41 37.79	—	—	—	39.26	— 0.11	6	—	—	—	—	—	—	—	—	—
477	Gr. 2377	16 43	+ 57 0 20.64††)	20.85	+ 0.05	5	21.44	— 0.54	5	21.35	+ 0.08	5	20.36	+ 0.82	8	—	—	—
478	49 Herculis	16 46	+ 15 11 7.72	7.29	— 0.07	5	—	—	—	7.99	+ 0.16	5	—	—	—	—	—	—
479	60 Herculis	17 0	+ 12 54 50.07	50.91	— 0.09	7	—	—	—	—	—	—	—	—	—	—	—	—
480	Gr. 2415	17 4	+ 40 40 49.30†††)	—	—	—	—	—	—	50.56	+ 0.13	2	—	—	—	—	—	—
481	*x* Herculis	17 23	+ 48 21 57.16	55.79	— 0.08	11	—	—	—	—	—	—	—	—	—	—	—	—
482	*f* Draconis	17 32	+ 68 12 51.92	51.99	+ 0.25	16	52.64	— 0.29	19	—	—	—	—	—	—	—	—	—
483	ω Draconis	17 38	+ 68 48 55.53	55.57	+ 0.26	69	56.15	— 0.27	36	55.97	+ 0.15	11	—	—	—	—	—	—
484	ψ Drac. austr.	17 44	+ 72 12 34.35	34.45	+ 0.27	17	34.59	— 0.21	31	34.64	+ 0.16	10	—	—	—	—	—	—
485	35 Draconis	17 55	+ 76 58 40.13	40.84	+ 0.27	4	40.27	— 0.15	5	38.20	+ 0.05	4	—	—	—	—	—	—
486	Gr. 2533	18 12	+ 42 7 3.87	3.78	— 0.15	5	5.29	— 0.70	2	—	—	—	—	—	—	—	—	—
487	36 Draconis	18 13	+ 64 21 18.02	18.42	+ 0.21	45	18.50	— 0.38	6	—	—	—	—	—	—	—	—	—
488	*b* Draconis	18 22	+ 58 43 43.70	42.54	+ 0.09	3	—	—	—	42.58	+ 0.09	5	—	—	—	—	—	—
489	φ Draconis	18 23	+ 71 16 14.95*†)	15.02	+ 0.27	15	15.35	— 0.25	18	—	—	—	—	—	—	—	—	—
490	Gr. 2655	18 36	+ 77 26 51.92	—	—	—	51.36	— 0.16	5	—	—	—	—	—	—		—	—
491	Gr. 2640	18 36	+ 65 22 36.46*††)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
492	13 *R* Lyrae	18 52	+ 43 46 56.37	56.62	— 0.14	34	57.14	— 0.71	31	56.47	+ 0.16	6	—	—	—	—	—	—
493	υ Draconis	18 56	+ 71 7 46.86	46.41	+ 0.27	18	47.61	— 0.25	10	—	—	—	—	—	—	—	—	—
494	ι Lyrae	19 3	+ 35 54 19.16	19.10	— 0.17	41	19.62	— 0.68	32	—	—	—	—	—	—	—	—	—
495	ω Aquilae	19 12	+ 11 22 16.98	17.38	— 0.12	91	18.40	— 0.93	24	17.07	+ 0.20	3	17.72	— 0.73	33	—	—	—

*) Pulkowa 1875 (M.Kr.) — 4° 52′ 15.″54 10 B. — **) Pulkowa 1875 (M.Kr.) + 60° 46′ 37.″41 12 B. — ***) Pulkowa 1875 (M.Kr.) + 14° 57′ 9.″71 12 B. — †) Pulkowa 1875 (M.Kr.) + 55° 29′ 24.″30 12 B. — ††) Pulkowa 1875 (M.Kr.) + 57° 0′ 21.″11 12 B. — †††) Pulkowa 1875 (M.Kr.) + 40° 40′ 49.″21 12 B. — *†) Pulkowa 1873 (Vert.Kr.) + 71° 16′ 15.″15 9 B. — *††) Pulkowa 1875 (M.Kr.) + 65° 22′ 37.″29 13 B.

Declinationen für 1875.0. II. Zusatzsterne.

Nr.	Stern	AR	Pulkowa 1871	Greenw. 1861 Decl.	Red.	B.	Greenw. 1872 Decl.	Red.	B.	Cambr. 1872 Decl.	Red.	B.	Leipzig 1868 Decl.	Red.	B.	Leiden 1868 Decl.	Red.	B.
496	ϑ Lyrae	19h 12m	+37° 54′ 43″.36	42″.87	−0″.16	3	44″.36	−0″.69	12	—	—	—	—	—	—	—	—	—
497	Gr. 2900	19 29	+79 21 0.98	—	—	—	1.45	−0.13	14	—	—	—	—	—	—	—	—	—
498	ϑ Cygni	19 33	+49 55 56.98	56.76	−0.06	22	—	—	—	—	—	—	56″.22	+0.08	14	56″.94	+0″.02	16
499	15 Cygni	19 40	+37 3 12.29	11.40	−0.17	3	—	—	—	—	—	—	—	—	—	—	—	—
500	33 Cygni	20 10	+56 11 8.65	9.19	+0.04	3	—	—	—	—	—	—	—	—	—	—	—	—
501	24 Vulpeculae	20 11	+24 17 13.67	11.91	−0.04	3	—	—	—	—	—	—	—	—	—	—	—	—
502	$\varkappa$ Cephei	20 13	+77 20 2.01	2.45	+0.27	41	2.17	−0.17	27	2″.29	+0″.26	10	1.31	+0.90	10	—	—	—
503	$\varkappa$ Delphini	20 33	+ 9 38 49.88	48.72	−0.14	3	—	—	—	—	—	—	—	—	—	—	—	—
504	73 Draconis	20 33	+74 31 33.05	32.68	+0.27	27	33.36	−0.22	40	—	—	—	—	—	—	—	—	—
505	6 H. Cephei	20 42	+57 7 53.37*)	54.25	+0.05	3	—	—	—	—	—	—	—	—	—	—	—	—
506	λ Cygni	20 43	+36 1 55.86	55.81	−0.17	9	55.95	−0.70	6	—	—	—	56.50	−0.52	17	55.72	−0.17	16
507	32 Vulpeculae	20 50	+27 34 59.07	59.10	−0.09	132	60.03	−0.63	44	58.53	+0.16	11	59.78	−0.66	27	59.66	−0.27	16
508	76 Draconis	20 52	+82 3 59.62	59.47	+0.25	37	59.74	−0.02	15	—	—	—	—	—	—	—	—	—
509	Br. 2749	20 53	+80 4 56.57	56.14	+0.26	28	56.58	−0.04	39	—	—	—	—	—	—	—	—	—
510	Br. 2777	21 8	+77 37 7.97	8.30	+0.26	16	8.32	−0.17	28	—	—	—	—	—	—	—	—	—
511	Gr. 3415	21 9	+59 28 22.78	22.48	+0.11	4	—	—	—	—	—	—	—	—	—	—	—	—
512	1 Pegasi	21 16	+19 16 13.87	14.50	−0.05	9	14.99	−0.73	12	—	—	—	—	—	—	—	—	—
513	g Cygni	21 25	+45 59 23.55	24.14	−0.12	8	—	—	—	—	—	—	—	—	—	—	—	—
514	74 Cygni	21 32	+39 51 9.03	9.43	−0.16	3	—	—	—	—	—	—	—	—	—	—	—	—
515	13 H. Cephei	21 35	+56 55 26.99**)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
516	11 Cephei	21 40	+70 44 10.44	9.68	+0.27	31	10.10	−0.29	20	10.76	+0.26	9	—	—	—	—	—	—
517	π^2 Cygni	21 42	+48 43 54.01	53.04	−0.08	3	—	—	—	55.65	+0.09	10	—	—	—	—	—	—
518	16 Pegasi	21 47	+25 20 15.53	15.69	−0.05	112	16.34	−0.65	43	16.06	+0.14	7	16.58	−0.72	17	16.15	−0.33	16
519	20 Pegasi	21 55	+12 31 18.28	18.94	−0.10	9	19.28	−0.92	9	—	—	—	—	—	—	—	—	—
520	20 Cephei	22 1	+62 10 34.80	34.23	+0.16	3	34.91	−0.47	5	—	—	—	—	—	—	—	—	—
521	24 Cephei	22 7	+71 43 32.94	32.34	+0.27	17	32.53	−0.27	7	—	—	—	—	—	—	—	—	—
522	ϑ Aquarii	22 10	− 8 24 17.25	17.88	−0.73	69	16.20	−1.74	17	18.45	+0.14	10	17.37	−0.76	20	—	—	—
523	31 Pegasi	22 15	+11 34 33.35	33.90	−0.12	3	34.60	−0.95	10	—	—	—	—	—	—	—	—	—
524	3 Lacertae	22 19	+51 36 11.65	11.59	−0.04	13	—	—	—	11.15	+0.07	9	11.80	+0.11	11	11.87	−0.05	16
525	31 Cephei	22 33	+72 59 40.52	40.39	+0.27	16	40.48	−0.25	16	—	—	—	—	—	—	—	—	—
526	10 Lacertae	22 34	+38 24 0.47	0.45	−0.16	6	0.90	−0.73	15	—	—	—	—	—	—	—	—	—
527	30 Cephei	22 34	+62 56 6.12	4.84	+0.18	5	6.03	−0.45	9	—	—	—	—	—	—	—	—	—
528	13 Lacertae	22 39	+41 9 48.52	49.52	−0.15	4	—	—	—	48.46	+0.10	9	—	—	—	—	—	—
529	π Cephei	23 4	+74 42 43.28	42.14	+0.27	16	43.15	−0.22	16	—	—	—	—	—	—	—	—	—
530	Br. 3077	23 7	+56 28 42.14	42.13	+0.04	4	43.21	−0.62	5	—	—	—	—	—	—	—	—	—
531	τ Pegasi	23 14	+23 3 22.71	22.64	−0.04	5	22.95	−0.68	9	22.61	+0.13	9	—	—	—	—	—	—
532	v Pegasi	23 19	+22 42 57.98	57.72	−0.04	27	58.61	−0.68	10	58.30	+0.13	9	—	—	—	—	—	—
533	4 Cassiopejae	23 19	+61 35 47.90	47.56	+0.15	15	48.40	−0.50	6	—	—	—	—	—	—	—	—	—
534	$\varkappa$ Piscium	23 21	+ 0 34 17.68	17.11	−0.36	67	18.84	−1.45	16	—	—	—	17.82	−0.82	22	—	—	—
535	70 Pegasi	23 23	+12 4 15.39	15.79	−0.11	3	16.53	−0.93	6	—	—	—	—	—	—	—	—	—
536	72 Pegasi	23 28	+30 38 7.42	7.88	−0.13	3	—	—	—	—	—	—	—	—	—	—	—	—
537	41 H. Cephei	23 42	+67 6 44.51	44.17	+0.24	35	44.88	−0.36	24	—	—	—	—	—	—	—	—	—
538	φ Pegasi	23 46	+18 25 33.58	34.04	−0.05	3	34.57	−0.76	7	33.43	+0.12	9	—	—	—	—	—	—
539	ϱ Cassiopejae	23 48	+56 48 13.71	14.05	+0.05	2	—	—	—	13.36	+0.03	10	—	—	—	—	—	—

*) Pulkowa 1878 (M.Kr.) +57° 7′ 54″.38 8 B. — **) Pulkowa 1878 (M.Kr.) +56° 55′ 27″.61 12 B.

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875							
		Pulkowa 1865 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$ p	Greenw. 1872 $\Delta\alpha$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1865 $\Delta\delta$ p	Pulkowa 1845 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
1	28°.4	+029 7	+051 4	+030 3	+027 4	+033 2	+0ˢ.034	−0″.27 7	−0″.27 3	−0″.32 3	−0″.19 4	+0″.30 2	−0″.26 2	−0″.08 5	−0″.18
2	58.5	+015 7	+031 4	−046 2	+029 2	— —	+0.013	+0.72 7	+0.69 3	+0.49 2	+0.95 2	— —	— —	— —	+0.71
3	14.5	+013 7	+035 4	+009 3	+003 4	+004 1	+0.015	+0.36 7	+0.35 3	+0.23 3	+0.31 4	+0.50 1	+0.43 2	+0.63 5	+0.40
4	−9.5	+008 7	+002 4	+004 3	+004 4	−012 2	+0.003	+0.28 7	— —	−0.27 3	+0.33 4	+0.69 2	— —	— —	+0.24
5	62.2	+032 7	+066 4	+084 2	+020 2	+090 2	+0.052	+0.06 7	−1.00 3	−0.72 2	−0.34 3	−1.02 2	— —	— —	−0.42
6	53.2	−008 7	+023 4	+028 2	−004 3	— —	+0.005	+0.97 7	+0.92 3	+0.75 3	+0.36 3	— —	+0.84 2	+0.88 5	+0.82
7	33.0	+124 7	+085 4	+064 1	+156 1	— —	+0.110	−0.58 7	−0.55 2	−1.20 2	−0.29 2	— —	— —	— —	−0.63
8	28.6	+002 7	+009 4	+012 3	+003 4	— —	+0.005	−0.29 7	— —	−0.39 3	+0.05 2	— —	— —	— —	−0.26
9	30.2	+088 7	+045 4	+081 2	+099 1	— —	+0.076	+0.63 7	−0.33 1	+0.95 3	+0.79 3	— —	— —	— —	+0.66
10	55.9	−003 7	−013 4	−029 3	000 4	−009 2	−0.009	+0.72 7	+0.86 4	+0.79 3	+0.52 4	+0.25 2	+0.54 4	+0.64 5	+0.65
11	23.6	−012 7	−023 4	+003 2	−012 2	+018 2	−0.009	+0.27 7	−0.38 1	+0.16 2	−0.54 4	−0.46 2	— —	— —	−0.08
12	57.2	+090 7	+011 4	+064 2	+198 3	+251 1	+0.097	+0.67 7	+0.48 2	+0.60 3	+1.65 3	+0.35 1	+0.95 2	— —	+0.81
13	60.0	−008 7	−007 4	+029 2	+031 4	+016 1	+0.006	+0.52 7	+0.71 3	+0.80 3	+0.92 4	+0.07 1	+0.88 2	+0.90 5	+0.73
14	37.8	+230 7	+266 4	+258 3	+223 4	— —	+0.241	+0.25 7	+0.10 2	+0.05 3	+0.04 4	— —	+0.68 2	— —	+0.20
15	7.2	+008 7	+012 4	+009 3	−007 4	+050 2	+0.010	+0.42 7	+0.29 2	+0.03 3	−0.03 4	+1.22 2	−0.11 2	+0.72 5	+0.37
16	35.0	−006 7	+033 4	+007 3	−002 4	−025 2	+0.003	−0.35 7	+0.18 2	−0.10 3	−0.23 4	−0.55 2	−0.75 2	— —	−0.30
17	29.4	−063 7	−057 4	−005 1	−077 1	−087 2	−0.062	+0.13 7	— —	+0.44 1	−0.14 1	+0.70 2	— —	— —	+0.24
18	26.6	+014 7	+016 4	+032 2	−004 1	— —	+0.016	−0.37 7	−0.59 2	+0.06 2	−1.63 1	— —	— —	— —	−0.44
19	88.6	+796 7	+954 4	+467 3	−130 4	+942 2	+0.608	−0.43 7	−0.21 4	−0.16 3	−0.29 4	(−1.94 2)	−0.17 2	−0.38 5	−0.31
20	59.6	−045 7	−016 4	−018 1	−042 1	— —	−0.034	+0.44 7	+0.79 3	+0.85 3	+0.57 1	— —	— —	— —	+0.61
21	−8.8	+034 7	+053 4	+010 3	+018 4	−019 2	+0.026	−0.56 7	−0.17 1	−0.22 3	−0.70 2	−1.16 2	−0.17 2	−0.91 5	−0.61
22	14.7	+068 7	+071 4	+063 3	+053 4	+043 2	+0.062	−0.10 7	−0.59 2	−0.02 3	−0.40 4	−0.57 2	−0.49 2	— —	−0.28
23	48.0	+102 7	+085 4	+048 2	+108 2	+106 2	+0.093	+0.37 7	+0.28 3	+0.84 2	+0.51 2	0.00 2	+0.41 2	+0.21 5	+0.35
24	50.1	−038 7	−057 4	−081 2	−098 2	— —	−0.057	+0.71 7	+0.48 3	+0.40 3	+0.51 2	— —	+0.66 2	+0.48 5	+0.56
25	8.5	−119 7	−130 4	−127 3	−143 4	−144 2	−0.130	+0.37 7	+0.63 2	+0.60 3	+0.55 4	+0.08 2	— —	— —	+0.45
26	63.1	−022 7	−019 4	+033 2	+011 3	— —	−0.008	+0.44 7	+0.32 3	+0.31 3	+0.03 4	— —	+0.41 2	+0.25 5	+0.30
27	29.0	+025 7	+052 4	+032 2	+012 2	— —	+0.031	+0.02 7	+0.06 1	−0.35 3	−0.28 3	— —	— —	— —	−0.12
28	18.7	+067 7	+050 3	+031 2	— —	— —	+0.057	−0.79 7	— —	−0.17 2	— —	— —	— —	— —	−0.65
29	2.6	+057 7	+071 4	+044 2	+059 2	— —	+0.059	+0.94 7	— —	+0.85 2	+1.28 2	— —	— —	— —	+0.99
30	20.2	+033 7	+034 4	+022 3	+024 4	+028 2	+0.029	−0.39 7	— —	−0.12 3	−0.41 4	−0.42 2	+0.37 3	+0.02 5	−0.18
31	71.8	+147 7	+137 4	+157 2	+269 2	+085 2	+0.153	−0.23 7	−0.07 3	+0.47 3	−0.34 4	−0.57 2	−0.75 3	— —	−0.23
32	41.7	+118 7	+098 4	+114 3	+121 4	+099 2	+0.113	+0.03 7	+0.15 1	+0.20 3	+0.60 4	−0.70 2	— —	— —	+0.12
33	22.9	+016 7	+051 4	+023 3	+003 4	+018 2	+0.022	−0.06 7	+0.04 3	−0.10 3	−0.29 4	+0.45 2	+0.08 2	−0.10 5	−0.05
34	34.4	+074 7	+080 4	+100 1	+061 2	+054 2	+0.073	+0.01 7	+0.06 1	−0.17 1	+0.31 3	−0.05 2	+0.43 2	+0.01 5	+0.08
35	−3.5	+038 7	−008 4	+056 2	— —	−003 1	+0.025	−0.60 7	— —	−0.17 2	— —	+0.04 1	— —	— —	−0.45
36	66.8	+280 7	+228 4	+209 2	+261 4	+209 2	+0.250	+0.71 7	+1.01 3	+1.03 3	+0.81 4	+0.43 2	— —	— —	+0.80
37	7.9	+061 7	+050 4	+056 3	+054 4	+052 2	+0.056	+0.50 7	+0.37 1	0.00 3	+0.10 3	−0.14 2	−0.61 2	+0.24 5	+0.17
38	72.3	+217 7	+229 4	+385 1	+339 2	— —	+0.250	+0.37 7	+0.38 4	+0.44 2	+0.24 2	— —	— —	— —	+0.36
39	−0.2	−027 7	−001 4	+017 3	−001 3	−055 2	−0.013	−0.12 7	+0.33 1	−0.26 2	−0.58 2	−0.21 2	— —	— —	−0.19
40	48.7	+088 7	+084 4	+087 2	+094 2	+051 2	+0.083	+0.29 7	+0.32 2	+0.53 2	+0.69 1	+0.57 2	— —	— —	+0.40
41	2.7	+019 7	+002 4	+005 3	−024 3	+018 2	+0.006	+0.39 7	−0.15 2	−0.06 3	−0.37 2	+1.30 2	+0.24 3	— —	+0.25
42	9.6	+036 7	+013 4	+031 3	−005 2	— —	+0.024	−0.16 7	+0.60 1	+0.38 3	+1.06 2	— —	— —	— —	+0.21
43	55.4	+020 7	+051 4	— —	−014 2	— —	+0.021	−0.69 7	−0.93 2	— —	−0.08 2	— —	— —	— —	−0.62
44	26.7	+072 7	+052 4	+064 2	+051 1	+050 2	+0.062	+0.69 7	−0.04 1	+0.15 2	−0.10 3	+0.52 2	— —	— —	+0.39
45	52.2	+107 7	+118 4	+108 2	+105 3	+115 2	+0.110	+0.84 7	+0.58 2	+0.57 2	+0.61 3	+0.54 2	+1.20 2	+0.48 5	+0.69
46	−9.4	+033 7	+030 4	+049 2	+072 2	— —	+0.040	−0.10 7	— —	+0.41 2	−0.69 2	— —	— —	— —	−0.11
47	3.6	+017 7	+020 4	+017 3	+011 4	+009 2	+0.016	+0.61 7	+0.67 3	+0.92 3	+0.55 3	+2.46 2	+0.51 2	+0.70 5	+0.81
48	53.0	−029 7	−020 4	−011 2	−037 2	— —	−0.025	+0.51 7	+0.79 3	+0.73 2	+0.54 2	— —	— —	— —	+0.61
49	38.4	+028 7	−050 4	+073 2	+057 1	+018 2	+0.015	−0.34 7	−0.33 1	+0.16 2	−0.55 2	+0.15 2	— —	— —	−0.23
50	40.5	+069 7	+043 4	+030 2	+057 2	+046 2	+0.054	−0.17 7	+0.46 1	−0.15 2	+0.17 2	−0.46 2	−0.10 2	−0.02 5	−0.09

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875							
		Pulkowa 1865 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$ p	Greenw. 1872 $\Delta\alpha$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1865 $\Delta\delta$ p	Pulkowa 1845 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
51	49°.1	+065 7	+049 4	+039 1	— —	— —	+0°.057	−0″.99 7	−0″.41 2	−1″.23 1	— —	— —	— —	— —	−0″.90
52	49.4	000 7	−004 4	−050 3	−021 4	−040 2	−0.016	+0.98 7	+0.48 4	+0.53 3	+0″.85 4	+0″.21 2	+1″.17 3	+0″.54 5	+0.73
53	8.6	+001 7	+038 4	−003 3	+006 3	+013 2	+0.010	+0.30 7	+0.56 2	+0.62 3	+0.48 2	+0.90 2	— —	— —	+0.49
54	9.3	+180 7	+189 4	+204 2	+195 3	+169 2	+0.186	+0.36 7	+0.81 2	−0.45 2	+0.63 3	+1.05 2	— —	— —	+0.45
55	12.5	−018 7	−022 4	−012 3	−008 3	−032 2	−0.018	−0.48 7	−0.17 1	+0.41 3	+0.22 3	−0.01 2	— —	— —	−0.10
56	−9.9	+033 7	−016 4	+049 3	+044 4	+025 2	+0.027	−0.10 7	−0.15 1	0.00 3	+0.22 2	−0.09 2	— —	— —	−0.04
57	47.4	+095 7	+076 4	+055 2	+057 2	+072 2	+0.079	+0.50 7	+0.40 3	+0.79 2	+0.39 2	+0.87 2	+0.65 2	+0.65 5	+0.58
58	31.9	+086 7	+087 4	+074 3	+096 2	— —	+0.085	−0.70 7	— —	−0.29 3	−0.59 3	— —	— —	— —	−0.58
59	42.2	+027 7	+040 4	+131 1	+041 1	— —	+0.040	+1.05 7	+0.64 1	+0.71 1	+0.68 1	— —	— —	— —	+0.94
60	23.7	+025 7	+021 4	+047 3	+041 2	— —	+0.030	+0.66 7	— —	+0.18 3	+0.80 2	— —	— —	— —	+0.56
61	23.7	+047 7	+028 4	+027 3	+050 4	+028 2	+0.039	+0.25 7	+0.07 2	+0.14 3	+0.23 4	+0.29 2	+0.47 2	— —	+0.24
62	23.7	+083 7	+067 4	+067 3	+099 3	— —	+0.079	−0.04 7	+0.14 2	+0.35 3	+0.36 3	— —	— —	— —	+0.14
63	31.5	+007 7	+040 4	−022 2	+002 2	+024 1	+0.012	+0.49 7	+0.62 2	+0.84 2	+0.71 3	+1.17 1	— —	— —	+0.64
64	39.6	+171 7	+160 4	+127 2	+111 1	+138 1	+0.156	+0.59 7	+0.23 1	+0.30 2	+0.93 2	−0.13 1	— —	— —	+0.51
65	35.4	+062 7	+033 4	+090 1	+031 1	— —	+0.053	+0.28 7	— —	+0.35 2	+0.26 2	— —	— —	— —	+0.29
66	12.1	−002 7	+001 4	−016 3	+011 3	+014 2	0.000	+0.62 7	−2.29 1	+0.62 3	+0.16 3	+0.09 2	— —	— —	+0.29
67	5.6	+009 7	+055 4	+041 2	— —	— —	+0.028	+0.31 7	−0.22 1	+0.09 1	— —	— —	— —	— —	+0.23
68	85.2	+376 7	+226 4	+414 2	+117 1	— —	+0.320	−0.20 7	−0.64 3	−0.28 2	−0.40 1	— —	— —	— —	−0.33
69	47.4	+073 7	+049 4	−066 1	— —	+106 2	+0.061	+0.43 7	+0.28 3	+0.68 2	— —	+0.86 2	— —	— —	+0.49
70	15.3	+010 7	+047 4	+014 3	−002 3	+014 2	+0.017	−0.69 7	−0.45 3	−0.53 3	+0.13 2	−0.90 2	— —	— —	−0.55
71	17.2	+020 7	+035 4	+048 2	+058 1	+040 2	+0.032	+0.05 7	−0.11 2	+0.21 2	+0.25 1	−0.23 2	— —	— —	+0.02
72	18.9	+009 7	+020 4	−001 3	+006 4	+025 2	+0.011	−0.38 7	−0.40 2	−0.37 3	−0.36 4	−0.29 2	0.00 2	−0.63 5	−0.39
73	16.3	000 7	−027 4	−003 3	+007 4	−017 2	−0.006	−0.25 7	−0.25 4	−0.38 3	−0.18 4	−0.75 2	−0.12 2	−0.46 5	−0.32
74	−3.6	+074 7	+051 3	+021 2	— —	+071 2	+0.061	−0.82 7	−0.53 1	+0.21 2	— —	−0.13 2	— —	— —	−0.51
75	−3.5	−096 7	−093 4	−067 3	−054 3	−074 2	−0.082	+0.18 7	+0.31 1	+0.32 3	+0.24 2	+0.93 2	— —	— —	+0.32
76	66.1	+231 7	+141 4	+219 2	+244 2	+239 2	+0.211	−0.60 7	−0.45 3	−0.18 3	−0.39 3	+1.37 2	−0.25 2	−0.32 5	−0.26
77	5.4	−020 7	000 4	+001 2	— —	— —	−0.011	−0.80 7	— —	+0.34 2	— —	— —	— —	— —	−0.55
78	2.2	−007 7	+021 4	+065 2	— —	— —	+0.013	+2.15 7	+1.59 2	−0.24 1	— —	— —	— —	— —	+1.80
79	33.0	+042 7	+039 4	+044 3	+014 3	+010 2	+0.034	+0.11 7	+0.24 2	+0.09 3	−0.56 4	−0.23 2	+0.27 2	— —	−0.03
80	60.3	−015 7	−038 4	+047 1	−022 3	−068 2	−0.024	+0.13 7	+0.50 3	+0.59 1	+0.24 3	−0.73 2	+0.08 2	+0.36 5	+0.18
81	43.6	+096 7	+084 4	−037 1	+102 2	+118 1	+0.086	+0.07 7	−0.22 2	+0.21 1	−0.01 2	+0.33 1	−0.64 2	−0.08 5	−0.06
82	40.9	+058 7	+023 4	+099 1	+058 1	+067 2	+0.053	+0.34 7	+0.32 2	−0.10 2	+0.10 2	−0.43 2	— —	— —	+0.14
83	41.1	+036 7	+037 4	+023 3	+049 3	— —	+0.036	−0.53 7	−0.54 2	−0.50 3	−0.40 3	— —	−0.74 2	−0.44 5	−0.51
84	−5.2	+001 7	+015 4	+045 2	−038 2	— —	+0.005	−0.16 7	−0.02 1	−0.53 2	−1.21 1	— —	— —	— —	−0.31
85	−8.9	−060 7	−028 4	−049 1	— —	−048 2	−0.048	+1.45 7	+0.79 1	−0.06 1	— —	+0.80 2	— —	— —	+1.13
86	45.9	−006 7	−001 4	−016 3	−042 4	−054 2	−0.019	+0.06 7	+0.08 4	+0.05 3	−0.20 4	+0.35 2	+0.53 4	+0.12 5	+0.12
87	−8.3	−023 7	−016 4	−023 3	−003 4	−043 2	−0.020	+0.65 7	+0.68 3	+0.13 3	+0.62 4	+0.79 2	+0.58 2	+0.57 5	+0.58
88	−7.0	−066 7	−062 4	−146 1	— —	−052 2	−0.069	−0.27 7	+0.31 2	+0.35 1	— —	+0.22 2	— —	— —	−0.04
89	−2.5	+031 7	+018 4	+041 1	— —	— —	+0.028	+0.40 7	+0.05 1	+1.58 1	— —	— —	— —	— —	+0.49
90	28,5	−001 7	+005 4	−006 3	+006 4	−005 2	+0.000	+1.16 7	+0.65 3	+0.79 3	+1.35 4	+1.43 2	+1.08 2	+1.23 5	+1.12
91	6.2	−026 7	−032 4	−031 1	−047 1	— —	−0.030	+0.32 7	+0.28 2	−0.46 1	−0.26 1	— —	— —	— —	+0.19
92	75.0	−020 7	+039 4	— —	−010 3	−065 2	−0.009	+0.09 7	−1.27 3	— —	+0.21 4	+0.89 2	— —	— —	−0.04
93	−0.4	−081 7	−062 4	−084 3	−075 4	−090 2	−0.077	+0.83 7	−0.26 2	+0.86 3	+0.85 4	+1.19 2	+0.57 2	+0.57 5	+0.71
94	−5.5	−022 7	−072 4	−099 2	— —	— —	−0.049	−1.96 7	— —	−0.09 1	— —	— —	— —	— —	−1.73
95	−5.5	−022 7	−012 2	+130 1	— —	— —	−0.005	+1.08 7	— —	+0.07 1	— —	— —	— —	— —	+0.95
96	−6.0	−049 7	−025 4	+017 2	— —	— —	−0.031	−0.10 7	+0.42 1	+0.08 2	— —	— —	— —	— —	−0.01
97	−1.3	−047 7	−053 4	−055 3	−042 4	−021 2	−0.046	+0.92 7	+0.27 1	+0.18 3	+0.43 3	−0.50 2	+1.04 2	— —	+0.53
98	21.1	−068 7	−064 4	−030 3	−033 3	— —	−0.054	+0.34 7	+0.71 1	+0.15 3	+0.30 3	— —	— —	— —	+0.32
99	−2.7	+008 7	+002 4	+037 1	— —	+033 2	+0.012	−0.03 7	— —	— —	— —	−0.78 2	— —	— —	−0.20
100	−9.7	000 7	−013 4	−019 3	+022 4	— —	−0.001	+0.42 7	+0.47 2	−0.23 2	−0.12 3	— —	— —	— —	+0.22

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875							
		Pulkowa 1865 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$ p	Greenw. 1872 $\Delta\alpha$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1865 $\Delta\delta$ p	Pulkowa 1845 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
101	39°.1	+086 7	+011 4	−131 1	+133 2	+120 2	+0°.064	−1″.90 7	−1″.37 2	−2″.15 1	−2″.01 3	−1″.87 2	— —	— —	−1″.86
102	7.4	−014 7	−040 4	−003 3	−014 4	−005 2	−0.017	+0.67 7	+0.75 2	+0.80 3	+0.98 4	+1.82 2	+0″.83 2	+0″.47 5	+0.81
103	44.9	−031 7	−057 4	−044 3	−052 4	−066 2	−0.046	+0.32 7	+0.44 4	−0.04 3	+0.84 3	+0.31 2	+0.91 2	+0.97 5	+0.53
104	37.2	+017 7	+024 4	+054 1	+029 2	+034 2	+0.025	+0.26 7	+0.11 2	+0.82 2	+0.07 2	+1.02 2	— —	— —	+0.39
105	22.5	+007 7	−012 4	+023 3	+011 4	+012 2	+0.007	−0.08 7	+0.25 3	−0.01 3	+0.45 4	+1.16 2	— —	— —	+0.23
106	22.6	−022 7	−012 4	−032 3	−010 4	— —	−0.019	+0.40 7	+0.24 3	+0.08 3	+0.47 4	— —	+0.17 2	— —	+0.31
107	16.5	+022 7	+051 4	−022 3	−014 4	+033 2	+0.015	+0.21 7	+0.55 3	+0.66 3	+0.67 4	−0.71 2	+0.65 2	+0.40 5	+0.37
108	10.0	−030 7	−043 4	+030 1	— —	— —	−0.029	+0.28 7	+0.22 2	−0.04 1	— —	— —	— —	— —	+0.24
109	25.3	+021 7	+002 4	−055 2	+041 1	— —	+0.006	+0.07 7	−0.10 3	+0.34 2	+0.08 2	— —	— —	— —	+0.07
110	13.0	+010 7	+013 4	+006 2	+045 2	— —	+0.015	+0.19 7	+0.03 2	+0.17 3	+0.57 1	— —	— —	— —	+0.19
111	87.2	−072 7	+009 4	−256 3	−757 4	−558 2	−0.269	+0.97 7	+0.93 3	+1.14 3	+0.99 4	+2.13 2	+1.56 3	+1.33 5	+1.21
112	34.1	+076 7	+053 4	+085 2	+091 3	+123 1	+0.077	+0.23 7	+0.14 3	+0.09 3	+0.50 3	— —	+0.15 2	−0.07 5	+0.16
113	20.8	+007 7	−015 4	+021 3	+005 4	+027 2	+0.006	+0.34 7	−0.03 3	+0.04 3	+0.51 4	−0.08 2	— —	— —	+0.24
114	16.8	−027 7	000 4	+015 3	+013 2	−013 2	−0.008	+0.40 7	+0.49 3	+0.27 3	−0.03 2	−0.44 2	— —	— —	+0.24
115	22.2	−026 7	−014 4	−015 3	−005 4	+011 2	−0.014	+0.20 7	+0.52 3	+0.05 3	+0.29 4	−0.34 2	— —	— —	+0.19
116	68.7	+086 7	+105 4	+118 2	+011 2	— —	+0.085	+0.73 7	+0.01 4	+0.44 2	+0.82 4	— —	— —	— —	+0.55
117	28.0	−027 7	−035 4	−034 3	−037 2	−026 2	−0.031	−0.57 7	−0.09 3	−0.49 3	+0.02 4	+0.02 2	— —	— —	−0.30
118	8.5	−006 7	+014 4	000 3	+009 4	+005 1	+0.003	+0.78 7	+0.21 3	+0.12 3	+0.38 3	−0.16 1	+0.12 2	−0.01 5	+0.32
119	32.2	+033 7	+023 4	+015 3	+012 4	+014 2	+0.022	−0.18 7	−0.97 3	+0.12 3	+0.17 4	−1.31 2	— —	— —	−0.30
120*)	5.5	−018 7	+004 4	−020 3	−012 4	−037 2	−0.015	+0.45 7	+1.03 3	+0.48 3	+0.88 4	+2.17 2	+0.03 2	+0.43 5	+0.74
121	24.7	−116 7	−140 4	−143 2	−133 2	— —	−0.128	−0.26 7	−0.61 3	−1.34 2	−0.35 4	— —	— —	— —	−0.48
122	28.3	+007 7	+011 4	+006 3	+004 4	+026 2	+0.009	+0.16 7	+0.38 3	+0.35 3	+0.38 4	+0.95 2	+0.70 2	+0.47 5	+0.40
123	9.6	−008 7	+004 4	+015 3	+010 4	−006 2	+0.002	+0.25 7	+0.16 3	−0.05 3	−0.16 3	−0.34 2	+0.60 2	+0.53 5	+0.19
124	−3.5	+003 7	−025 4	−033 1	— —	— —	−0.009	+0.04 7	+0.72 2	+2.73 1	— —	— —	— —	— —	+0.44
125	61.1	+011 7	+022 4	−027 1	+050 3	+063 2	+0.024	+1.38 7	+1.38 4	+1.29 1	+1.60 4	+1.98 2	+1.52 2	— —	+1.49
126	18.6	−001 7	−012 4	−015 3	−012 2	+018 2	−0.005	+0.96 7	+0.55 3	+0.58 3	+0.27 2	+0.03 2	— —	— —	+0.63
127	29.2	+045 7	+033 4	+043 1	−033 1	— —	+0.035	+1.49 7	+1.16 3	+1.04 1	+1.28 2	— —	— —	— —	+1.35
128	6.9	000 7	−022 4	−014 3	−027 4	−001 2	−0.013	−0.61 7	+0.24 3	−0.12 3	−0.03 3	+1.08 1	−0.54 2	— —	−0.21
129	6.4	−036 7	−032 4	+007 2	— —	−040 1	−0.029	+0.78 7	+0.34 2	+0.99 2	— —	+1.36 1	— —	— —	+0.79
130	48.5	+059 7	+091 4	+054 3	−021 4	+059 2	+0.049	+0.83 7	+0.45 4	+0.90 3	+1.15 3	+0.70 2	+1.11 2	+0.96 5	+0.85
131	12.3	+041 7	+031 4	+037 3	+030 4	— —	+0.036	−0.30 7	+0.13 2	0.00 3	−0.01 3	— —	— —	— —	−0.12
132	42.3	+100 7	+093 4	+098 2	— —	— —	+0.098	+0.19 7	+0.26 1	+0.61 1	— —	— —	— —	— —	+0.24
133	47.6	+168 7	+195 4	+156 2	— —	+118 1	+0.170	+1.28 7	+1.03 3	+1.49 1	— —	+1.28 1	— —	— —	+1.23
134	2.8	−007 7	+004 4	+012 2	— —	−013 2	−0.002	+0.52 7	+0.25 3	−0.25 2	— —	+1.22 2	— —	— —	+0.45
135	37.3	+122 7	+122 4	+068 2	+052 2	+126 2	+0.108	−0.85 7	−0.53 2	−0.83 2	−1.34 2	−1.16 2	— —	— —	−0.91
136	34.9	+073 7	+053 4	+032 2	+118 2	+070 2	+0.068	+0.21 7	+0.51 2	+0.44 2	+0.38 3	+0.16 2	+0.18 2	+0.48 5	+0.33
137	81.9	+388 7	+207 4	+336 2	+192 2	+483 2	+0.327	−1.17 7	−1.31 3	−0.66 2	−1.58 2	−0.64 2	— —	— —	−1.12
138	−8.1	+005 7	+016 4	+020 3	+019 4	+006 1	+0.013	+0.45 7	+0.27 4	−0.13 3	+0.07 4	+0.34 1	+0.38 2	−0.10 5	+0.18
139	63.6	+210 7	+165 4	−039 2	+168 2	— —	+0.159	+0.47 7	+0.26 3	+0.21 3	+0.17 3	— —	— —	— —	+0.33
140	52.2	+193 7	+195 4	+143 3	+096 4	— —	+0.164	+1.08 7	+0.86 3	+0.37 3	+1.02 4	— —	+1.30 2	+1.33 5	+1.02
141	10.5	+040 7	+030 4	+035 3	+034 4	+009 1	+0.034	−0.13 7	+0.55 3	+0.49 3	+0.56 3	+0.49 1	— —	— —	+0.26
142	24.3	+024 7	+044 4	+024 3	+015 4	+052 2	+0.029	+0.50 7	+0.42 3	+0.30 3	+0.46 4	+0.12 2	+0.63 3	+0.70 5	+0.49
143	59.6	+060 7	+041 4	−006 2	+029 3	+035 1	+0.041	+2.22 7	+1.89 4	+2.11 2	+2.03 3	+1.61 1	+1.43 2	+1.78 5	+1.95
144	26.6	+100 7	+045 4	+081 3	+073 4	+078 2	+0.079	−0.03 7	+0.10 3	+0.17 3	+0.07 4	−0.02 2	— —	— —	+0.04
145	17.4	+078 7	+118 4	+095 2	+060 2	+042 2	+0.083	−0.03 7	−0.09 3	−0.14 2	+0.29 2	+0.54 2	— —	— —	+0.06
146	12.6	+017 7	+013 4	+020 3	+007 4	+024 2	+0.015	+0.25 7	+0.09 3	+0.41 3	+0.23 4	−0.76 2	+0.51 2	+0.10 5	+0.16
147	43.5	+084 7	+070 4	+083 2	+126 2	+055 2	+0.082	+1.00 7	+0.54 3	+1.15 1	+1.37 2	+0.56 2	+1.24 2	+1.34 5	+1.04
148	24.0	+062 7	+018 4	+050 1	+068 1	— —	+0.048	−0.38 7	−0.03 3	−0.35 2	−0.89 2	— —	— —	— —	−0.37
149	42.1	+032 7	+053 4	+026 3	+037 3	+044 2	+0.038	+0.52 7	+0.37 3	+0.64 3	+0.64 3	+0.24 2	+0.19 2	+0.54 5	+0.49
150	76.4	−276 7	+193 4	−647 1	−121 3	−180 2	−0.149	+0.65 7	+0.81 4	+0.76 2	+0.68 4	+0.93 2	— —	— —	+0.73

*) Schwerpunct.

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875							
		Pulkowa 1865 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$ p	Greenw. 1872 $\Delta\alpha$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1865 $\Delta\delta$ p	Pulkowa 1845 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
151	9°.9	+102 7	+081 4	+082 3	+076 4	+098 2	+0°.089	+0″.74 7	+0″.59 3	+0″.41 3	+0″.31 4	+0″.03 2	+0″.65 2	— —	+0″.51
152	34.9	+084 7	+053 4	+093 2	+063 1	— —	+0.075	−0.82 7	−0.32 3	−0.62 3	−0.83 4	— —	— —	— —	−0.70
153	57.1	+039 7	+013 4	+025 2	+019 3	— —	+0.027	+0.71 7	+1.50 4	+1.33 3	+1.46 3	— —	+1.32 2	+1″.17 5	+1.16
154	62.4	+067 7	+093 4	+022 3	−034 4	+019 2	+0.040	+1.45 7	+0.60 4	+0.84 3	+1.18 4	+0.62 2	+1.32 2	+0.90 5	+1.04
155	45.2	+108 7	+093 4	+082 2	+053 3	+075 2	+0.089	+1.11 7	+0.95 4	+1.10 2	+1.43 3	+0.95 2	+1.37 2	+1.08 5	+1.12
156	21.2	+034 7	+071 4	+028 3	+022 4	+075 2	+0.042	+0.72 7	+0.86 3	+0.73 3	+0.53 4	+0.46 2	+0.44 3	+0.91 5	+0.69
157	16.1	−003 7	+004 4	−050 2	000 1	— —	−0.007	−0.07 7	−0.06 3	−0.53 2	−0.11 3	— —	— —	— —	−0.14
158	32.2	+148 7	+062 4	+097 2	+210 2	+185 2	+0.133	−0.29 7	+0.04 3	+0.21 2	+0.34 2	−0.29 2	−0.83 2	−0.81 5	−0.31
159	33.8	+014 7	+074 4	+249 1	+054 1	— —	+0.054	−0.18 7	+0.45 3	+0.40 2	−0.07 2	— —	— —	— —	+0.05
160	6.7	+041 7	+028 4	+029 3	+031 4	−011 1	+0.032	+0.18 7	+0.06 3	+0.31 3	−0.14 4	+0.03 1	— —	— —	+0.10
161	11.2	−023 7	−041 4	−024 2	−003 2	— —	−0.024	+0.41 7	+0.50 3	+0.26 2	+0.11 2	— —	— —	— —	+0.37
162	70.0	+176 7	+152 4	+160 2	+045 4	+106 2	+0.134	+0.77 7	+0.50 4	+0.76 3	+0.59 4	+1.92 2	+0.68 2	— —	+0.78
163	48.5	+010 7	+024 4	+030 3	+035 3	−005 2	+0.018	+0.78 7	+0.74 3	+0.90 3	+0.82 3	+1.37 2	+1.00 2	+0.78 5	+0.86
164	15.3	+013 7	+027 4	+008 3	+012 4	+026 2	+0.016	0.00 7	+0.20 3	+0.10 3	+0.02 4	−0.16 2	+0.08 2	−0.08 5	+0.02
165	2.5	+040 7	+038 4	+030 3	+057 4	+046 2	+0.042	+0.36 7	+0.43 3	+0.39 3	+0.25 4	+0.69 2	+0.19 2	+0.33 5	+0.36
166	54.4	−029 7	−005 4	−033 3	−035 4	−007 2	−0.024	+0.76 7	+0.49 4	+0.32 3	+0.70 4	+1.11 2	+0.87 3	−0.26 5	+0.52
167	9.4	−001 7	+083 4	+006 2	+005 4	−007 2	+0.018	+0.40 7	−0.01 3	+0.22 2	+0.48 3	+0.02 2	— —	— —	+0.28
168	78.3	−079 7	−155 4	−101 1	−079 3	−034 2	−0.093	+0.25 7	+0.31 3	+0.16 3	+0.32 4	+1.38 2	— —	— —	+0.38
169	57.7	−138 7	−104 4	−096 2	−128 3	— —	−0.122	+1.11 7	+0.83 4	+0.91 3	+1.19 4	— —	+1.33 2	+1.38 5	+1.13
170	0.0	+037 7	+022 4	+025 3	+040 4	+064 2	+0.036	−0.27 7	−0.42 3	−0.12 3	+0.25 4	−0.43 2	−0.45 3	— —	−0.21
171	70.5	+089 7	+015 4	+009 3	+009 4	−057 1	+0.036	+0.88 7	+0.69 3	+0.65 3	+0.64 4	+2.12 1	— —	— —	+0.83
172	−0.8	+018 7	+009 4	+017 3	−026 4	−001 2	+0.009	+0.41 7	+0.05 3	+0.74 3	+0.88 4	(−1.03 2)	+0.72 3	+1.07 5	+0.65
173	56.6	+004 7	+018 4	−095 2	−023 2	−007 2	−0.009	+0.98 7	+0.74 3	+0.27 3	+1.29 2	+0.81 2	— —	— —	+0.83
174	4.1	−007 7	−002 4	−014 3	−010 4	— —	−0.008	+0.50 7	+0.34 3	+0.51 3	+0.48 3	— —	— —	— —	+0.47
175	39.0	+069 7	+044 4	+051 3	+093 4	+047 2	+0.064	+0.29 7	+0.24 3	+0.46 3	0.00 4	+1.02 2	+0.23 2	+0.04 5	+0.26
176	11.6	+042 7	+040 4	+028 3	+036 4	+073 2	+0.041	−0.12 7	−0.39 3	+0.03 3	+0.10 4	+0.18 2	— —	— —	−0.06
177	28.5	000 7	+037 4	+005 1	000 1	+018 2	+0.013	−0.70 7	−0.63 3	+0.32 1	−1.56 1	−0.40 2	— —	— —	−0.63
178	55.6	−048 7	−006 4	−113 2	−028 3	−038 1	−0.042	+1.46 7	+1.27 3	+1.46 2	+1.50 3	+0.48 1	+0.99 2	+1.31 5	+1.32
179	0.0	000 7	+022 4	+001 3	+014 4	+034 1	+0.010	+0.24 7	−0.14 3	+0.09 3	−0.11 4	−0.81 1	+0.31 2	— —	+0.04
180	18.1	−024 7	+008 3	−038 3	−047 4	— —	−0.026	−0.36 7	— —	−0.04 3	+0.26 3	— —	— —	— —	−0.14
181	49.9	−011 7	+038 4	+021 3	−020 4	−019 2	+0.001	+0.15 7	+0.52 4	−0.10 3	+0.31 4	+1.18 2	+0.26 4	+0.28 5	+0.31
182	19.0	+014 7	+055 4	+021 3	+017 4	+048 2	+0.027	+0.15 7	+0.38 3	+0.23 3	−0.35 4	+0.37 2	+0.69 3	+0.06 5	+0.17
183	2.2	+015 7	+022 4	+007 3	+022 4	+063 1	+0.019	+0.73 7	+0.33 2	+0.37 3	+0.53 3	−0.26 1	+0.28 2	— —	+0.49
184	65.0	−028 7	000 4	+035 3	+002 4	+081 2	+0.004	+1.06 7	+0.65 3	+0.78 3	+0.75 4	+0.96 2	−0.19 2	+0.38 5	+0.70
185	−9.7	−025 7	+032 4	−007 3	+001 4	— —	−0.004	+0.22 7	— —	−0.62 3	−0.56 4	— —	— —	— —	−0.18
186	−5.4	+104 7	+102 4	+127 2	+101 2	— —	+0.106	+0.44 7	+0.88 2	+0.95 2	+0.97 2	— —	— —	— —	+0.67
187	19.8	+026 7	+104 4	+014 3	+001 4	+016 2	+0.034	−0.37 7	−0.17 4	−0.30 3	+0.40 4	−1.41 2	−1.13 2	−0.37 5	−0.47
188	46.7	−008 7	−017 4	+004 2	000 2	— —	−0.008	+1.69 7	+1.67 3	+1.82 2	+1.94 2	— —	+1.89 2	+1.94 5	+1.80
189	51.9	−029 7	+001 3	+055 2	+066 1	— —	−0.002	+0.82 7	— —	+0.39 2	+0.74 1	— —	— —	— —	+0.73
190	52.4	+005 7	+035 4	+016 2	−008 4	+025 2	+0.012	+1.07 7	+1.12 3	+1.29 2	+0.47 3	+1.06 2	+1.25 2	+0.59 5	+0.93
191	−1.7	−038 7	−071 3	−059 2	— —	— —	−0.050	+0.53 7	— —	+0.14 2	— —	— —	— —	— —	+0.44
192	30.9	+022 7	+015 4	+012 3	−002 4	+044 1	+0.015	−0.72 7	−0.54 3	−0.76 3	−0.99 4	−0.54 1	−1.16 2	— —	−0.79
193	38.9	−077 7	−083 4	−093 2	— —	−070 2	−0.080	+0.08 7	+0.49 3	−0.02 2	— —	+1.08 2	— —	— —	+0.30
194	17.0	+048 7	+010 4	+006 2	— —	+089 2	+0.038	+0.28 7	−0.44 2	−0.65 2	— —	+0.60 2	— —	— —	+0.08
195	14.3	+026 7	−016 4	+002 2	−016 2	+059 1	+0.009	+0.43 7	+0.44 2	+0.21 2	−0.33 3	+0.08 1	— —	— —	+0.23
196	−5.1	+018 7	−002 4	−013 2	+026 1	— —	+0.008	−0.87 7	— —	−0.05 2	+0.22 1	— —	— —	— —	−0.60
197	2.4	+013 7	−009 4	−038 2	— —	+026 2	+0.002	+0.64 7	+0.02 2	−0.06 1	— —	−1.60 2	— —	— —	+0.10
198	74.7	+119 7	+119 4	+087 3	+062 4	+089 2	+0.100	+1.05 7	+1.00 4	+1.16 3	+1.29 4	+0.98 2	+1.20 3	+0.70 5	+1.04
199	40.9	+034 7	+039 4	+025 3	+020 4	+047 2	+0.032	+0.54 7	+0.49 3	+0.41 3	+1.08 4	+1.58 2	+0.43 2	+0.69 5	+0.70
200	−8.9	+038 7	+016 4	+016 3	+010 4	−070 1	+0.018	+0.07 7	−0.07 3	−0.54 3	−0.11 4	−0.26 1	+0.27 2	−0.28 5	−0.12

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875							
		Pulkowa 1865 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$ p	Greenw. 1872 $\Delta\alpha$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1865 $\Delta\delta$ p	Pulkowa 1845 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
201	33°8	−022 7	−010 4	−001 3	−080 3	−020 1	−0°025	−0″14 7	+0″11 3	−0″17 3	−0″30 4	+0″72 1	— —	— —	−0″09
202	37.8	+027 7	−024 4	−014 3	+034 2	— —	+0.007	−0.10 7	+0.02 3	−0.17 3	+0.45 3	— —	— —	— —	+0.01
203	72.3	−196 7	−050 4	−064 2	−300 4	−124 2	−0.166	+0.01 7	+0.34 3	+0.23 2	+0.01 4	+0.46 2	+0″10 2	— —	+0.14
204	59.4	−020 7	+016 4	−042 1	+027 2	— —	−0.005	+0.09 7	+0.65 4	+0.81 2	+0.37 2	— —	+0.49 2	+0″61 5	+0.44
205	29.5	−012 7	−014 4	−008 2	+010 1	−045 1	−0.013	+0.59 7	−0.03 3	0.00 2	+0.21 3	+0.13 1	— —	— —	+0.30
206	41.3	+041 7	+042 4	+109 2	— —	+053 2	+0.052	−0.89 7	−1.44 2	−0.42 2	— —	+0.68 2	— —	— —	−0.66
207	41.3	+079 7	+043 4	+139 2	— —	+107 2	+0.081	−0.68 7	−0.76 1	−0.53 2	— —	+0.91 2	— —	— —	−0.40
208	31.8	+078 7	−004 4	+103 2	— —	— —	+0.057	+0.47 7	+0.45 2	+1.06 2	— —	— —	— —	— —	+0.57
209	27.1	+022 7	+038 4	+027 3	+002 4	+005 2	+0.020	−0.64 7	−0.41 3	−0.89 3	−0.53 4	−0.81 2	−0.64 2	−0.67 5	−0.64
210	37.0	+038 7	−025 4	−017 1	+014 2	— —	+0.013	+0.47 7	+0.47 3	+1.16 1	+0.30 2	— —	— —	— —	+0.50
211	26.7	−033 7	−044 4	+017 1	−020 1	— —	−0.032	+0.11 7	−0.53 3	−0.54 2	−0.40 1	— —	— —	— —	−0.18
212	6.8	+022 7	+031 4	+027 3	+009 4	+015 1	+0.022	−0.48 7	+0.18 3	−0.35 3	−0.37 4	0.00 1	−0.44 2	−0.23 5	−0.30
213	15.8	+006 7	−025 4	−057 1	+027 2	+010 2	−0.003	+0.32 7	+0.35 2	−0.56 1	+0.13 2	+1.22 2	— —	— —	+0.36
214	−3.0	−012 7	−020 4	−027 2	— —	−079 2	−0.025	−0.80 7	+0.29 1	+0.56 1	— —	−0.65 2	— —	— —	−0.55
215	18.5	+025 7	+022 4	+046 1	−030 2	— —	+0.018	−0.90 7	−0.69 2	+0.08 1	−0.55 2	— —	— —	— —	−0.72
216	4.9	−008 7	−040 4	−025 3	−018 4	−016 1	−0.020	−0.18 7	−0.86 3	−0.59 3	−0.37 3	−1.68 1	— —	— —	−0.49
217	78.2	+297 7	+168 4	+278 3	+285 4	+433 2	+0.280	+0.44 7	+0.52 2	+0.18 3	+0.16 4	−0.07 2	+0.85 2	−0.10 5	+0.25
218	16.1	−008 7	−022 4	−004 3	−007 4	−018 1	−0.011	−0.20 7	+0.10 3	−0.36 3	−0.31 2	+0.84 1	— —	— —	−0.12
219	27.2	−054 7	−066 4	−003 2	−048 2	— —	−0.050	−0.46 7	−0.91 2	−0.68 2	−0.17 3	— —	— —	— —	−0.49
220	58.9	+119 7	+222 4	+214 2	+205 3	+068 2	+0.161	+0.49 7	+1.14 4	+0.77 2	+0.71 3	+1.50 2	+0.68 2	+0.58 5	+0.76
221	45.3	+146 7	+022 4	+115 2	— —	— —	+0.103	−0.05 7	+0.34 3	+0.23 2	— —	— —	— —	— —	+0.09
222	−3.4	−001 7	−021 4	−014 3	−018 4	−024 2	−0.013	+0.36 7	−0.19 2	+0.26 3	+0.26 4	+0.06 2	+0.17 3	+0.05 5	+0.19
223	−4.4	+042 7	+021 4	+027 3	+029 2	+034 2	+0.033	−0.35 7	−0.08 3	−0.11 3	+0.33 2	+0.62 2	— —	— —	−0.07
224	46.6	+062 7	+017 4	−021 3	+108 4	— —	+0.048	+0.69 7	+0.70 3	+0.64 3	+0.29 4	— —	— —	— —	+0.59
225	19.4	+018 7	−001 4	+033 3	+017 4	+024 1	+0.016	+0.27 7	+0.11 3	+0.36 3	+0.77 3	+0.07 1	— —	— —	+0.33
226	61.8	−066 7	+096 4	+041 3	−099 3	−057 1	−0.017	−0.76 7	−0.43 3	−0.83 3	−0.45 4	+0.03 1	+0.01 2	−0.07 5	−0.45
227	2.3	−075 7	−070 4	−054 3	−082 3	−063 2	−0.070	−0.50 7	+0.01 3	−0.05 3	−0.66 1	−1.52 2	−0.58 2	−1.00 5	−0.59
228	21.8	+003 7	−027 4	−016 2	−028 2	— —	−0.012	−1.13 7	−1.18 3	−1.27 3	−1.64 3	— —	−1.08 2	−1.75 5	−1.35
229	69.0	+052 7	−020 4	+033 2	+074 3	+254 2	+0.060	+0.68 7	+0.85 3	+0.24 3	+0.40 4	+0.78 2	+0.27 2	— —	+0.56
230	42.7	+014 7	+010 4	+021 2	+038 2	— —	+0.017	0.00 7	−0.46 2	−0.69 2	−0.47 2	— —	−0.20 2	−0.30 5	−0.26
231	31.8	−012 7	−012 4	−008 3	−013 4	−030 2	−0.013	−0.13 7	+0.19 3	−0.46 3	−0.12 4	−0.71 2	−0.60 3	+0.33 5	−0.14
232	39.2	−002 7	+026 4	+008 2	+006 2	+072 2	+0.015	+0.14 7	+0.14 3	+0.03 2	+0.02 2	+1.24 2	— —	— —	+0.25
233	9.6	+065 7	+034 4	+067 3	+063 4	+064 2	+0.059	−0.01 7	+0.02 3	+0.10 3	−0.28 4	−0.39 2	−0.12 3	+0.18 5	−0.04
234	31.1	−007 7	−013 4	+029 3	+004 4	+060 2	+0.006	+0.24 7	+0.19 3	+0.32 3	+0.28 4	−0.36 2	— —	— —	+0.19
235	82.2	+053 7	+014 4	+019 3	−005 3	+085 2	+0.034	+0.71 7	+0.56 3	+0.46 3	+0.35 4	−0.64 2	+0.20 2	+0.70 5	+0.46
236	65.9	+051 7	+035 4	+113 2	+068 2	— —	+0.057	+0.20 7	+0.57 3	+0.59 3	−0.04 4	— —	— —	— —	+0.28
237	14.5	+008 7	−006 4	+029 3	−001 4	+028 2	+0.009	−0.70 7	−0.35 3	−0.52 3	−0.14 4	0.00 2	−0.18 2	−0.75 5	−0.47
238	25.0	−001 7	+033 4	+102 2	+049 1	— —	+0.027	+0.29 7	— —	+0.33 3	+0.65 2	— —	— —	— —	+0.36
239	37.0	−060 7	−063 4	−046 2	−056 3	+006 2	−0.051	−0.76 7	−0.67 1	−1.46 2	−1.07 3	−0.19 2	−0.66 2	−1.52 5	−0.97
240	52.4	+052 7	+066 4	+087 3	+049 4	+063 2	+0.061	+0.65 7	+0.91 3	+0.08 3	+0.68 4	+1.24 2	+0.46 2	+0.66 5	+0.65
241	12.7	+028 7	+007 4	+044 3	+021 4	+099 2	+0.032	−1.07 7	−0.34 3	−0.31 3	−0.54 4	+0.07 2	−0.63 2	−0.54 5	−0.59
242	55.3	+010 7	+104 4	+055 1	— —	— —	+0.045	+0.84 7	+0.89 2	+0.87 1	— —	— —	— —	— —	+0.85
243	55.3	−022 7	−002 4	+110 1	— —	— —	−0.005	+1.05 7	— —	+1.17 1	— —	— —	— —	— —	+1.06
244	46.1	−244 7	−206 4	−259 2	−236 1	— —	−0.235	+1.19 7	+0.84 3	+0.29 2	+1.21 1	— —	— —	— —	+0.97
245	4.6	+028 7	+022 4	+021 3	+015 4	— —	+0.023	+0.35 7	−0.28 3	0.00 3	−0.12 4	— —	— —	— —	+0.07
246	27.8	+029 7	+053 4	+059 3	+022 4	+006 1	+0.036	−0.51 7	−0.49 1	−0.52 3	+0.01 4	−0.77 1	−0.60 3	−0.19 5	−0.38
247	2.8	+077 7	+057 4	+065 2	— —	— —	+0.069	+0.32 7	+0.86 2	+2.07 1	— —	— —	— —	— —	+0.60
248	56.9	+020 7	+110 4	+288 1	+098 1	— —	+0.074	−0.41 7	−0.42 2	+0.82 2	+0.95 1	— —	— —	— —	−0.09
249	37.3	+010 7	−004 4	−050 1	— —	— —	+0.000	−0.19 7	−0.22 2	−0.80 1	— —	— —	— —	— —	−0.26
250	−9.8	+011 7	+020 4	−064 2	— —	— —	+0.002	−0.05 7	+0.15 1	+0.44 2	— —	— —	— —	— —	+0.07

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875							
		Pulkowa 1865 Δα p	Pulkowa 1845 Δα p	Greenw. 1861 Δα p	Greenw. 1872 Δα p	Cambr. 1872 Δα p	Mittel Δα	Pulkowa 1865 Δδ p	Pulkowa 1845 Δδ p	Greenw. 1861 Δδ p	Greenw. 1872 Δδ p	Cambr. 1872 Δδ p	Leipzig 1868 Δδ p	Leiden 1868 Δδ p	Mittel Δδ
251	29°.3	+097 7	+085 4	+168 1	+067 1	— —	+0ˢ.096	+1″.17 7	+1″.52 1	+0″.03 1	+1″.48 1	— —	— —	— —	+1″.12
252	51.5	−011 7	−023 4	−055 3	−051 4	−054 1	−0.031	+0.35 7	+0.60 4	+0.17 3	+0.36 4	+0″.69 1	+0″.53 4	+0″.79 5	+0.48
253	2.9	+013 7	+096 4	+078 1	+018 2	— —	+0.042	+0.88 7	+0.23 2	+1.03 1	−0.10 2	— —	— —	— —	+0.62
254	9.5	+006 7	+021 4	+002 3	+013 4	— —	+0.010	+0.88 7	+0.54 3	+0.51 3	+0.13 3	— —	— —	— —	+0.61
255	28.7	+047 7	+034 4	+022 2	+029 1	+081 1	+0.041	+0.27 7	−0.26 3	−0.10 2	+0.83 2	−0.03 1	— —	— —	+0.17
256	86.6	+010 7	−018 4	+106 3	−258 4	−063 2	−0.042	+0.93 7	+0.76 2	+0.58 3	+0.73 4	+0.74 2	+1.31 2	+0.64 5	+0.80
257	−2.9	+031 7	+040 4	+026 3	+041 4	+040 1	+0.035	+0.06 7	−0.12 2	−0.13 3	+0.15 2	−0.37 1	— —	— —	−0.02
258	21.7	+038 7	+043 4	+039 1	−010 1	+032 2	+0.035	+0.37 7	+0.20 2	+0.85 1	+0.07 1	+0.31 2	— —	— —	+0.35
259	72.7	+161 7	+100 4	+231 2	+280 2	+284 1	+0.177	−0.29 7	+0.28 4	+0.83 2	−0.13 2	−0.85 1	−0.39 2	— —	−0.06
260	38.7	+016 7	+047 4	+033 3	+005 4	−036 1	+0.020	+0.28 7	+0.50 4	−0.10 3	−0.15 4	+0.62 1	−0.02 2	−0.21 5	+0.10
261	39.5	+093 7	+042 4	−011 2	+086 2	— —	+0.065	−0.28 7	+0.53 3	+0.56 2	+0.69 2	— —	+0.12 2	−0.12 5	+0.08
262	39.5	+033 7	+038 4	+058 2	— —	— —	+0.038	−0.25 7	— —	−0.14 2	— —	— —	— —	— —	−0.23
263	20.4	−062 7	−046 4	−031 2	— —	−094 2	−0.058	+0.44 7	0.00 2	+0.57 2	— —	+0.37 2	— —	— —	+0.38
264	33.2	+082 7	+077 4	+096 3	+074 4	+060 1	+0.080	−0.06 7	+0.35 2	+0.69 3	+0.29 4	−0.12 1	+0.24 4	+0.08 5	+0.18
265	59.2	+147 7	+064 3	+137 2	+163 1	— —	+0.128	+0.48 7	— —	+0.57 2	+0.29 1	— —	−0.28 2	+0.33 5	+0.34
266	4.0	+119 7	+092 4	+132 1	— —	— —	+0.111	+0.80 7	+0.03 2	+0.44 1	— —	— —	— —	— —	+0.61
267	14.9	+038 7	+046 4	+028 3	+002 4	+027 2	+0.030	+0.38 7	+0.51 2	+0.45 3	+0.46 4	+0.24 2	— —	— —	+0.41
268	32.5	−021 7	−030 4	−037 3	−025 2	— —	−0.027	−0.02 7	+0.13 1	+0.07 3	−0.19 4	— —	— —	— —	−0.04
269	−5.1	−007 7	+019 4	−011 2	−039 3	— —	−0.007	+0.06 7	−0.11 2	−0.20 3	−0.52 3	— —	−0.17 2	−0.33 5	−0.18
270	13.7	+078 7	+052 4	+076 3	+074 4	+087 2	+0.073	+0.10 7	+0.24 3	+0.22 3	+0.03 4	−0.75 2	+0.08 3	+0.19 5	+0.07
271	67.4	+042 7	−021 4	−015 3	+122 3	+135 2	+0.042	+0.68 7	+1.05 4	+0.99 3	+1.00 4	+0.73 2	+0.88 2	+1.16 5	+0.92
272	53.1	+123 7	+124 4	+165 3	+115 4	+071 2	+0.123	+0.54 7	+0.65 3	+0.53 3	+0.65 4	+2.00 2	+1.09 2	+0.91 5	+0.79
273	73.1	+082 7	+093 4	+161 2	+067 2	— —	+0.093	+0.17 7	+0.11 3	+0.43 3	+0.01 4	— —	— —	— —	+0.17
274	2.9	+042 7	+029 4	+030 3	+010 4	+048 2	+0.032	−0.45 7	−0.40 2	−0.31 3	−0.53 4	(+1.61 2)	−0.92 4	−0.14 5	−0.46
275	27.7	+008 7	−006 4	−002 1	+021 4	+009 2	+0.007	−0.30 7	−0.95 2	−1.52 1	−0.74 4	0.00 2	−0.45 2	−0.54 5	−0.53
276	51.5	+050 7	+086 4	+144 2	+083 1	— —	+0.076	+0.47 7	+0.69 3	+0.35 2	+0.06 1	— —	+0.74 2	+1.05 5	+0.64
277	10.3	+003 7	+008 4	+018 3	−009 4	+009 2	+0.004	+0.17 7	+0.04 3	+0.10 3	−0.19 4	+0.20 2	+0.19 2	+0.16 5	+0.09
278	44.8	+076 7	+092 4	+122 3	+070 4	— —	+0.081	+0.40 7	+0.25 3	+0.58 3	+0.35 3	— —	+0.88 2	+0.25 5	+0.41
279	18.2	−076 7	−087 4	−153 2	— —	−078 2	−0.089	−0.67 7	−0.20 3	+0.02 2	— —	−1.15 2	— —	— —	−0.54
280	8.5	+002 7	+010 4	+015 3	−009 4	−023 2	+0.001	+0.06 7	0.00 3	0.00 3	−0.10 4	+0.15 2	+0.20 2	−0.24 5	−0.02
281	0.7	+003 7	−018 4	+022 3	— —	+020 2	+0.003	+0.81 7	+1.08 3	+0.85 3	— —	+0.69 2	— —	— —	+0.86
282	69.9	+059 7	−017 4	+040 3	+064 3	+130 2	+0.046	+0.79 7	+0.73 3	+0.83 3	+0.60 3	+1.49 2	— —	— —	+0.83
283	6.1	+010 7	+002 4	+015 3	+016 4	+027 1	+0.011	−0.17 7	−0.28 3	−0.52 3	−0.99 4	−0.16 1	+0.22 2	−0.14 5	−0.32
284	88.9	−1846 7	−2072 4	−795 3	−2170 4	−793 2	−1.693	−0.63 7	−0.79 2	−0.55 3	−0.30 4	−0.30 2	−0.45 4	−0.37 5	−0.48
285	52.1	+044 7	+035 4	+022 1	+079 2	— —	+0.045	−0.44 7	−0.79 3	+0.12 1	−0.96 2	— —	−0.78 2	−0.30 5	−0.52
286	19.2	+017 7	+029 4	+008 2	— —	— —	+0.019	+0.16 7	+0.17 2	−0.08 1	— —	— —	— —	— —	+0.14
287	−1.2	+006 7	−004 4	+020 3	+016 4	+033 2	+0.011	−0.47 7	+0.18 3	−0.02 3	−0.21 3	−0.09 2	— —	— —	−0.20
288	46.4	+042 7	+026 4	+074 2	+001 2	— —	+0.037	+0.39 7	+0.52 3	+0.40 2	+0.14 2	— —	+0.68 2	+0.88 5	+0.53
289	39.9	+032 7	+053 4	+039 3	+030 3	+020 2	+0.036	−0.17 7	+0.35 3	−0.27 3	−0.49 4	−0.19 2	−0.49 2	−0.20 5	−0.20
290	10.9	+038 7	+058 4	+053 3	+050 4	+043 2	+0.047	+0.40 7	−0.07 3	+0.37 3	+0.05 3	+0.40 2	— —	— —	+0.26
291	62.6	+056 7	+036 4	+009 3	+057 3	— —	+0.043	−0.14 7	−0.25 3	−0.31 3	−0.35 4	— —	−0.64 2	— —	−0.28
292	14.2	+081 7	+047 4	+031 3	— —	+061 2	+0.061	+0.07 7	+0.19 2	+0.34 3	— —	−0.30 2	— —	— —	+0.09
293	15.5	−016 7	−012 4	−001 3	−016 4	+017 2	−0.010	−0.38 7	−0.02 2	−0.12 3	−0.14 3	−0.34 2	— —	— —	−0.24
294	44.8	+041 7	+078 4	+061 3	+042 4	+066 2	+0.054	−0.10 7	+0.24 4	+0.02 3	+0.16 4	−0.88 2	+0.07 4	+0.25 5	+0.03
295	14.6	+026 7	+029 4	+052 2	+015 1	— —	+0.030	+0.87 7	+0.20 2	+0.40 2	+0.95 3	— —	— —	— —	+0.72
296	15.7	+137 7	+113 4	+189 2	+168 3	— —	+0.143	−0.19 7	−0.44 2	−0.10 3	−0.37 3	— —	+0.06 2	−0.41 5	−0.25
297	−10.0	+037 7	+010 4	+019 3	+028 4	— —	+0.026	+0.11 7	−0.07 2	−0.46 3	−0.20 2	— —	— —	— —	−0.08
298	33.5	+023 7	+010 4	+004 2	+033 2	−004 2	+0.016	−0.35 7	+0.23 2	−0.05 3	−0.04 4	−0.97 2	+0.19 2	−0.55 5	−0.26
299	61.4	−013 7	−008 4	−023 3	−047 3	+011 2	−0.016	+0.45 7	+0.05 3	+0.20 3	+0.07 4	−0.28 2	— —	— —	+0.19
300	40.7	+012 7	+038 4	+002 2	— —	+032 2	+0.020	+0.24 7	+0.26 3	+0.03 2	— —	−1.23 2	— —	— —	+0.00

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Pulkowaer Hauptsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875							
		Pulkowa 1865 Δα p	Pulkowa 1845 Δα p	Greenw. 1861 Δα p	Greenw. 1872 Δα p	Cambr. 1872 Δα p	Mittel Δα	Pulkowa 1865 Δδ p	Pulkowa 1845 Δδ p	Greenw. 1861 Δδ p	Greenw. 1872 Δδ p	Cambr. 1872 Δδ p	Leipzig 1868 Δδ p	Leiden 1868 Δδ p	Mittel Δδ
301	43°.4	+046 7	+068 4	+093 3	+081 4	— —	+0ˢ.067	+0″.29 7	+0″.18 3	+0″.52 3	+0″.49 4	— —	— —	— —	+0″.36
302	38.1	+057 7	−042 4	+023 3	+092 3	+079 2	+0.039	+0.23 7	−0.28 4	+0.01 3	+0.34 3	−0″.27 2	+0″.20 3	+0″.25 5	+0.11
303	29.7	−067 7	−052 4	−052 3	−063 4	−043 2	−0.059	−0.62 7	−1.16 3	−0.86 3	−0.75 4	+0.07 2	−0.78 3	— —	−0.71
304	4.7	+016 7	+050 4	+019 3	+034 4	— —	+0.028	−0.03 7	+0.06 3	+0.20 3	+0.07 2	— —	— —	— —	+0.05
305	37.5	+043 7	+028 4	+025 2	+063 2	+063 2	+0.042	+0.62 7	+1.05 2	+0.85 2	+0.75 2	+0.45 2	— —	— —	+0.70
306	62.1	+021 7	+036 4	−018 3	000 4	+006 2	+0.012	+1.18 7	+0.53 4	+0.79 3	+1.06 4	+0.99 2	+0.99 4	+1.76 5	+1.09
307	−6.1	+031 7	+022 4	−002 3	+007 4	+024 2	+0.019	+0.20 7	+0.14 2	−0.21 3	−0.21 3	+1.55 2	+0.64 3	+0.07 5	+0.23
308	70.0	+106 7	+087 4	+088 3	+033 4	+117 2	+0.086	+1.30 7	+1.27 4	+1.04 3	+1.01 4	+1.36 2	+1.25 2	+1.21 5	+1.21
309	9.3	+050 7	+028 4	+045 3	+037 4	+042 2	+0.041	−0.72 7	+0.02 3	−0.61 3	−0.67 4	+0.40 2	−0.47 3	−0.16 5	−0.40
310	25.1	+087 7	+059 4	+142 1	+032 2	— —	+0.075	−0.36 7	−0.25 3	−0.30 1	−0.32 4	— —	— —	— —	−0.32
311	−0.9	+014 7	+019 4	+011 3	+022 4	+008 2	+0.016	−0.13 7	+0.24 3	−0.15 3	+0.06 4	−0.68 2	−0.06 2	−0.31 5	−0.13
312	24.7	+071 7	+038 4	+035 3	+071 3	+071 2	+0.058	−0.35 7	−0.36 3	−0.28 3	−0.15 3	−0.26 2	— —	— —	−0.30
313	32.6	+046 7	+031 4	−012 2	+065 2	— —	+0.037	−1.00 7	— —	−1.58 1	−0.94 2	— —	— —	— —	−1.05
314	5.6	+019 7	+026 4	−015 2	— —	+022 2	+0.017	−0.14 7	+0.22 3	+0.47 2	— —	+1.33 2	— —	— —	+0.23
315	32.6	+029 7	+018 4	+064 2	+059 2	— —	+0.035	−0.01 7	+0.24 2	−0.09 2	+0.49 2	— —	— —	— —	+0.09
316	57.6	+094 7	+045 4	+043 2	+099 1	+091 2	+0.075	+0.61 7	+0.45 4	+0.11 2	+0.53 1	+0.17 2	+0.50 2	+0.50 5	+0.46
317	−2.0	+018 7	+018 4	+016 3	+008 4	−018 2	+0.012	−0.67 7	— —	+0.03 3	0.00 3	−0.42 2	+0.13 2	−0.77 5	−0.41
318	57.8	+045 7	+073 4	+032 2	+017 1	— —	+0.049	+0.77 7	+1.20 2	+1.05 2	— —	— —	— —	— —	+0.90
319	49.6	+153 7	+158 4	+095 3	+167 3	+182 2	+0.150	+0.76 7	+0.47 4	+0.28 3	+0.24 3	+1.33 2	+0.80 2	+0.86 5	+0.67
320	−0.8	+055 7	+070 4	+046 3	+058 4	+044 2	+0.056	−0.38 7	−0.68 1	−0.06 3	+0.53 3	−0.42 2	+0.01 3	+0.09 5	−0.10
321	10.2	+058 7	+095 4	+069 3	+076 4	+069 2	+0.072	−0.71 7	−0.65 3	−0.79 3	−0.57 3	−0.41 2	−0.30 3	−0.63 5	−0.61
322	29.6	−005 7	+020 4	+015 2	+019 2	+012 2	+0.008	−0.43 7	−0.24 2	−0.06 3	−0.34 3	+0.17 2	— —	— —	−0.26
323	22.9	+041 7	+066 4	+057 1	+062 2	+058 2	+0.053	+0.14 7	+0.11 1	+0.07 2	−0.67 3	+0.09 2	+0.12 2	−0.03 5	−0.02
324	23.9	+040 7	+049 4	+017 3	+042 4	+035 2	+0.038	+0.22 7	+0.28 2	+0.27 3	+0.24 4	+0.38 2	— —	— —	+0.26
325	65.5	+091 7	+043 4	+073 2	+092 1	+082 2	+0.076	+0.98 7	+0.95 3	+0.79 3	+1.19 3	+0.69 2	+1.01 2	— —	+0.95
326	−8.2	+072 7	+045 4	+042 3	+041 4	+020 1	+0.052	−0.21 7	−0.26 1	−0.53 3	−0.22 3	−0.45 1	— —	— —	−0.30
327	41.7	+028 7	+039 4	+074 1	+045 2	+024 2	+0.035	+0.62 7	+0.69 2	+1.47 1	+0.68 2	−0.24 2	+0.48 2	+0.52 5	+0.55
328	27.4	+054 7	+032 4	+041 2	+032 1	— —	+0.044	−0.49 7	−0.34 3	−0.53 2	−0.43 3	— —	— —	— —	−0.45
329	14.5	−006 7	−007 4	−019 3	−003 4	−003 2	−0.007	−0.69 7	−0.06 3	−0.75 3	−0.87 4	−0.21 2	−0.58 2	−0.89 5	−0.64
330	2.6	+024 7	+033 4	+031 3	+038 4	+062 2	+0.033	+0.20 7	−0.71 3	−0.75 3	−0.45 3	+1.12 2	−0.37 4	— —	−0.16
331	45.8	−036 7	+031 4	+076 1	— —	−036 2	−0.009	+0.81 7	+1.34 3	+0.99 1	— —	−0.34 2	— —	— —	+0.77
332	42.6	+076 7	+101 4	+108 3	+076 2	— —	+0.088	−0.40 7	−0.59 3	−0.90 3	−0.70 3	— —	−0.14 3	+0.47 5	−0.59
333	4.9	+001 7	−003 4	−029 3	+007 4	+034 2	+0.000	−0.27 7	−0.34 3	−0.15 3	+0.10 3	+1.66 2	−0.02 2	+0.54 5	+0.08
334	76.9	+163 7	+096 4	+132 3	+104 4	+176 2	+0.134	+0.18 7	+0.18 3	+0.22 3	+0.64 4	+0.35 2	— —	— —	+0.32
335	43.6	+136 7	+162 4	+149 1	— —	— —	+0.146	−0.61 7	−0.45 2	−1.26 1	— —	— —	— —	— —	−0.64
336	6.2	+051 7	+054 4	+043 3	+055 4	+040 2	+0.050	+0.52 7	−0.28 3	0.00 3	+0.09 3	+1.15 2	−0.28 3	— —	+0.22

II. Zusatzsterne.

Nr.	Decl.	Pulkowa 1871	Pulkowa 1845	Greenw. 1861	Greenw. 1872	Cambr. 1872	Mittel	Pulkowa 1871	Greenw. 1861	Greenw. 1872	Cambr. 1872	Leipzig 1868	Leiden 1868	Mittel
337	45°.4	−044 5	— —	−002 1	— —	−026 2	−0ˢ.034	+0″.15 5	−0″.73 1	— —	−0″.65 2	— —	— —	−0″.16
338	76.3	+369 5	— —	+040 2	+288 3	— —	+0.279	+0.48 5	+0.69 3	+0″.33 4	— —	— —	— —	+0.48
339	−4.6	−002 5	— —	+008 3	−003 4	+005 1	+0.001	+0.80 5	−0.38 3	+0.06 3	+1.01 1	−0″.16 3	−0″.20 5	+0.13
340	74.3	+155 5	— —	+234 2	+104 2	+386 1	+0.184	+0.79 5	+1.69 2	+1.65 3	+0.58 1	— —	— —	+1.17
341	47.6	+109 5	— —	+049 1	+078 2	— —	+0.094	−0.10 5	−0.43 1	−0.39 2	— —	+0.66 2	+0.49 5	+0.14
342	6.9	+101 5	−025 2	+023 3	+026 4	— —	+0.045	−0.13 5	+0.24 3	+0.11 3	— —	— —	— —	+0.04
343	63.6	+213 5	— —	+043 2	— —	— —	+0.164	+0.75 5	+0.51 2	— —	— —	— —	— —	+0.68
344	85.6	+440 7	— —	+436 2	+426 1	— —	+0.438	−0.23 5	+0.06 2	+0.53 1	— —	— —	— —	−0.06
345	79.0	−030 5	— —	+100 1	+067 1	— —	+0.002	+0.79 5	+0.48 1	+0.36 1	— —	— —	— —	+0.68

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. II. Zusatzsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875						
		Pulkowa 1871 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1871 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
346	67.5	+135 5	— —	+108 2	+186 1	— —	+0.135	+0.″63 5	−0.″44 1	+1.″00 1	— —	— —	— —	+0.″53
347	72.4	+024 5	— —	+131 2	+083 3	— —	+0.063	+0.75 5	+0.77 3	+0.64 3	— —	— —	— —	+0.73
348	67.4	+190 5	— —	+303 2	+216 2	— —	+0.221	−0.67 5	+0.06 3	−0.27 3	— —	— —	— —	−0.36
349	4.9	+014 5	— —	−011 3	−022 4	−022 2	−0.007	+0.04 5	+0.08 3	+0.05 4	+1.″24 2	−0.″11 3	— —	+0.16
350	65.9	+049 5	— —	+202 2	+119 1	+144 2	+0.106	+0.79 5	+0.88 2	−0.20 2	−0.50 2	— —	— —	+0.39
351	50.5	+057 5	— —	+134 2	+029 2	+067 1	+0.068	+0.83 5	+0.45 2	+0.67 2	+0.88 1	−0.22 3	— —	+0.51
352	33.3	+002 5	— —	+012 2	— —	+018 2	+0.008	−0.33 5	+0.49 2	— —	−0.40 2	— —	— —	−0.16
353	−7.0	+046 5	— —	+021 3	+018 4	+007 2	+0.027	+1.98 5 [1]	+0.19 3	+0.41 3	−0.75 2	+0.72 3	— —	+0.84
354	19.3	−006 5	−034 1	−002 2	+018 2	— —	−0.003	−0.34 5	+0.45 2	−0.23 2	— —	— —	— —	−0.14
355	21.4	−015 5	— —	−037 2	−032 2	+014 2	−0.017	+0.60 5	+0.82 3	+0.79 2	+0.95 2	— —	— —	+0.75
356	67.3	+217 5	— —	+152 2	+128 2	— —	+0.183	+0.45 5	+0.19 3	+0.73 3	— —	— —	— —	+0.46
357	27.2	+065 5	— —	−027 2	+011 1	— —	+0.035	+0.50 5	+0.92 2	−0.05 3	— —	— —	— —	+0.42
358	78.9	+274 5	— —	+440 2	+002 1	+116 2	+0.248	+1.41 5	+1.18 2	+0.94 3	+1.76 2	+0.42 2	— —	+1.18
359	19.3	−054 5	+032 2	−013 3	−008 4	−008 1	−0.019	−0.56 5	−0.12 3	−0.03 3	−0.56 1	0.00 3	−0.″24 5	−0.25
360	77.3	+076 5	— —	+130 1	−140 3	−030 2	+0.003	+1.09 5	+1.35 2	−0.10 4	+0.84 2	— —	— —	+0.73
361	59.5	+043 5	— —	+114 2	— —	— —	+0.063	−0.67 5	+0.27 2	— —	— —	— —	— —	−0.40
362	47.6	+083 5	— —	+083 2	— —	— —	+0.083	+0.87 5	+0.48 2	— —	— —	+0.89 2	— —	+0.79
363	62.8	+158 5	— —	+058 2	+089 1	+054 2	+0.110	+0.50 5	+0.96 2	+0.50 1	−0.50 2	+0.44 2	— —	+0.40
364	70.9	+153 5	— —	— —	+204 2	— —	+0.168	−0.01 5	+1.03 1	−0.22 3	— —	+0.28 2	+0.40 5	+0.18
365	60.7	−003 5	— —	+011 1	+029 1	+045 2	+0.013	−0.45 5	−0.11 1	−0.28 2	−1.46 2	+2.28 2	— —	−0.11
366	−7.2	+029 5	— —	−024 3	−007 3	−026 2	0.000	+1.24 5	−0.22 3	+0.75 2	+0.11 2	+0.96 2	— —	+0.66
367	34.3	−054 5	— —	−053 1	+025 1	— —	−0.043	+0.02 5	+0.73 1	−0.15 1	— —	— —	— —	+0.10
368	53.6	−119 5 [2]	— —	+148 1	— —	−047 2	−0.085	+0.67 5	+0.02 2	— —	+2.28 2	— —	— —	+0.88
369	75.7	+151 5	— —	+400 1	+049 1	— —	+0.172	−0.02 5	+0.81 1	−0.12 2	— —	— —	— —	+0.06
370	22.7	+016 5	+040 1	−001 3	+040 2	+059 2	+0.024	+0.63 5	+0.38 3	+0.37 3	+1.00 2	— —	— —	+0.57
371	56.5	−056 5	— —	+004 1	+047 2	+003 2	−0.018	+0.31 5	−0.07 1	+1.02 2	+0.45 2	+0.27 2	+0.65 5	+0.48
372	21.4	−032 5	−004 1	+035 2	+012 2	−004 2	−0.006	−0.22 5	−0.04 2	−0.28 2	+0.65 2	— —	— —	−0.04
373	79.1	+314 5	— —	+041 2	+085 1	— —	+0.217	+0.67 5	+0.70 3	+0.26 3	— —	— —	— —	+0.57
374	38.3	−002 5	— —	+034 2	−007 2	−005 2	+0.003	−0.45 5	+0.03 2	+0.03 3	−0.15 2	+0.05 2	+0.07 5	−0.10
375	63.0	+179 5	— —	+183 1	+240 2	— —	+0.195	+0.33 5	+0.15 2	+0.21 3	— —	— —	— —	+0.26
376	9.4	+035 5	— —	+013 2	— —	— —	+0.029	+0.42 5	+0.57 2	— —	— —	— —	— —	+0.46
377	49.8	+059 5	— —	+036 1	+113 1	+080 2	+0.067	+0.97 5	+0.75 1	+0.53 1	+0.93 2	— —	— —	+0.89
378	17.7	+074 5	— —	−058 2	— —	— —	+0.036	+0.08 5	+1.00 2	— —	— —	— —	— —	+0.34
379	54.3	+008 5	— —	+035 2	+016 2	— —	+0.015	−0.09 5	+0.19 2	0.00 2	— —	+0.33 2	+0.39 5	+0.16
380	4.2	+070 5	— —	+021 1	— —	— —	+0.062	−0.17 5	−0.71 1	— —	— —	— —	— —	−0.26
381	65.7	+173 5	— —	−034 2	+133 1	— —	+0.116	+1.68 5	+1.35 3	+0.82 1	— —	— —	— —	+1.47
382	14.8	−014 5	— —	−048 3	−018 4	−009 2	−0.022	+0.24 5	+0.20 3	+1.01 1	+0.30 2	+0.47 2	— —	+0.33
383	69.4	+085 5	+148 2	+008 1	+124 2	+087 2	+0.096	−0.15 5	+0.15 2	+0.43 3	+1.22 2	— —	— —	+0.27
384	59.1	−249 5	−154 1	−100 1	— —	— —	−0.214	+0.35 5	+1.02 1	— —	— —	— —	— —	+0.46
385	49.3	+119 5	— —	+087 1	— —	— —	+0.114	+1.02 5	+1.36 2	— —	— —	— —	— —	+1.12
386	4.7	−057 5	— —	−043 1	— —	— —	−0.055	−0.18 5	−0.30 1	— —	— —	— —	— —	−0.20
387	79.7	+153 5	— —	−006 2	−048 2	— —	+0.073	+1.15 5	+0.65 2	+0.53 3	— —	— —	— —	+0.86
388	61.6	+058 5	— —	+068 2	+028 1	— —	+0.057	−0.01 5	+0.95 2	−0.04 1	— —	— —	— —	+0.23
389	39.5	+065 5	— —	+140 1	+123 2	— —	+0.089	−1.42 5	−1.22 1	−0.86 2	— —	— —	— —	−1.25
390	43.7	−025 5	— —	−034 1	+066 1	— —	−0.013	+0.22 5	−0.45 1	+1.83 1	— —	— —	— —	+0.35
391	69.0	+036 5	— —	−038 2	— —	— —	+0.015	+0.55 5	+2.37 1	— —	— —	— —	— —	+0.85
392	2.5	+007 5	— —	−079 1	— —	— —	−0.007	+0.16 5	+0.65 1	— —	— —	— —	— —	+0.24
393	77.1	−002 5	— —	— —	−554 1	— —	−0.094	+0.63 5	— —	−0.33 1	— —	— —	— —	+0.47
394	58.6	+001 5	+024 1	+087 2	+032 1	+006 1	+0.024	+0.84 5	+1.09 2	+1.41 1	+1.53 1	+1.39 2	+1.27 5	+1.15
395	39.5	000 5	— —	−009 2	+041 3	+002 1	+0.010	−0.01 5	+0.01 2	+0.01 3	−0.04 1	−0.03 2	−0.18 5	−0.06

[1]) M.Kr. 1876 +1.″11 (4). — [2]) M.Kr. 1876 −0.″120 (4).

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. II. Zusatzsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875						
		Pulkowa 1871 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$ p	Greenw. 1872 $\Delta\alpha$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1871 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
396	41°.1	−061 5	— —	+090 2	— —	+015 2	−0ˢ.011	−0″.62 5	+0″.51 1	— —	−0″.42 2	— —	— —	−0″.43
397	55.5	+087 5	— —	+152 1	+097 1	— —	+0.098	+1.15 5	+1.42 1	+0″.65 1	— —	— —	— —	+1.12
398	32.0	+019 5	— —	−036 1	+113 2	+056 2	+0.040	+0.51 5	+0.72 1	+0.77 3	+0.71 2	+1″.07 2	— —	+0.70
399	59.0	+083 5	— —	+095 1	— —	— —	+0.085	+0.47 5	+0.36 3	— —	— —	— —	— —	+0.43
400	33.7	+018 5	— —	−020 2	+081 1	— —	+0.016	−0.98 5	−0.20 2	−0.60 1	— —	— —	— —	−0.74
401	74.2	+445 5	— —	+197 2	+334 2	+381 2	+0.368	+0.80 5	+0.47 3	+0.68 3	+0.53 2	+0.06 2	— —	+0.58
402	47.9	+185 5	— —	+267 1	— —	— —	+0.199	+1.43 5	−0.29 2	— —	— —	— —	— —	+0.94
403	60.7	−023 5	— —	+031 1	−075 1	— —	−0.023	+0.67 5	−0.42 1	−0.45 1	— —	— —	— —	+0.35
404	28.1	−008 5	— —	+001 3	+008 4	— —	−0.000	+0.89 5	+0.79 3	+1.23 3	— —	+0.93 3	— —	+0.95
405	51.9	+125 5	— —	−084 1	— —	— —	+0.090	+0.49 5	−0.12 1	— —	— —	— —	— —	+0.39
406	76.1	−107 5	— —	−655 1	−137 2	— —	−0.183	+1.53 5	+1.56 1	+1.36 3	— —	+1.50 3	+1″.28 5	+1.42
407	43.6	−023 5 [1]	— —	+171 2	— —	— —	−0.014	+0.80 5	+0.32 1	— —	— —	— —	— —	+0.72
408	38.4	+233 5	— —	— —	+295 1	— —	+0.243	+1.58 5	— —	+1.73 2	— —	— —	— —	+1.62
409	20.9	+016 5	— —	−020 3	−013 4	−008 2	−0.003	+0.45 5	+0.03 3	+0.53 3	+0.17 2	+0.60 2	— —	+0.36
410	74.1	−066 5	— —	— —	−231 1	— —	−0.093	+0.93 5	— —	+0.48 1	— —	— —	— —	+0.85
411	53.1	+268 5	— —	— —	— —	— —	+0.268	+0.60 5 [2]	— —	— —	— —	— —	— —	+0.69
412	31.1	+092 5	— —	+148 1	+124 1	+111 1	+0.105	+0.08 5	−0.88 1	+0.37 2	+1.16 1	— —	— —	+0.16
413	68.1	+152 5	— —	−004 1	+068 2	— —	+0.111	+0.47 5	+0.39 2	−0.04 4	— —	— —	— —	+0.27
414	54.8	−045 5	— —	— —	— —	— —	−0.045	−0.43 5 [3]	— —	— —	— —	— —	— —	−0.55
415	67.6	+140 5	— —	+125 3	+147 2	+155 2	+0.140	+0.87 5	+0.72 3	+0.55 2	+1.30 2	+0.56 2	— —	+0.81
416	43.7	−060 5	— —	+150 1	— —	— —	−0.025	+1.15 5	+0.71 1	— —	— —	— —	— —	+1.08
417	18.2	+019 5	— —	−029 3	−035 4	−037 1	−0.013	+0.16 5	−0.01 3	+0.25 4	−0.45 1	+0.03 3	— —	+0.09
418	70.4	+019 5	— —	−109 2	— —	+031 2	−0.007	+0.20 5	+0.54 2	— —	−0.17 2	— —	— —	+0.19
419	37.0	−111 5	— —	−089 2	−223 1	— —	−0.119	+0.08 5	−0.21 2	−0.28 1	— —	— —	— —	−0.04
420	69.8	+288 5	— —	— —	+281 2	— —	+0.286	+0.87 5	— —	+1.16 2	— —	— —	— —	+0.95
421	73.5	+193 5	— —	+207 1	+099 3	+183 2	+0.167	+0.65 5	+0.20 2	+0.54 4	+0.73 2	+0.70 2	— —	+0.58
422	41.6	−004 5	— —	+097 2	+034 1	— —	+0.026	+0.20 5	+0.20 2	−0.29 2	— —	— —	— —	+0.09
423	8.6	+018 5	— —	−011 3	+007 4	— —	+0.007	+0.02 5	+0.19 3	+0.49 3	— —	+0.35 3	— —	+0.23
424	66.2	−009 5	— —	−094 2	−014 2	— —	−0.029	+1.86 5	+1.30 3	+1.43 3	— —	— —	— —	+1.59
425	83.2	+125 5	— —	— —	+157 1	— —	+0.130	−0.14 5	— —	−0.19 1	— —	— —	— —	−0.15
426	37.3	+018 7	— —	+002 2	+011 1	+023 2	+0.016	+0.50 5	+1.01 2	−0.16 2	+0.81 2	+0.57 2	+0.17 5	+0.43
427	56.6	−229 5	— —	−131 2	−166 2	— —	−0.193	+0.87 5	+0.67 2	+0.57 2	— —	+0.35 2	+0.47 5	+0.62
428	57.7	+008 5	— —	−077 1	+033 1	— —	−0.001	+1.51 5	+1.34 1	+1.43 2	— —	— —	— —	+1.47
429	69.7	−167 5	— —	— —	−173 2	— —	−0.169	+0.49 5	— —	+1.17 2	— —	— —	— —	+0.68
430	23.8	+004 5	— —	−027 2	−030 1	— —	−0.008	+0.91 5	+1.04 2	+0.28 3	— —	— —	— —	+0.75
431	31.3	−022 5	— —	−041 2	−092 1	+001 2	−0.028	+0.81 5	+0.77 2	+1.34 1	+1.92 2	— —	— —	+1.08
432	11.2	+045 5	— —	+001 3	−002 4	+021 2	+0.019	+0.53 5	+0.27 3	+0.47 4	−0.17 2	+0.75 2	— —	+0.41
433	78.4	−258 5	— —	−147 1	−145 1	— —	−0.226	+0.78 5	+0.61 2	+0.70 3	— —	— —	— —	+0.72
434	8.0	+033 5	— —	−034 3	000 3	+028 2	+0.009	+0.99 5	+0.97 3	+1.00 3	+1.43 2	+0.92 2	— —	+1.04
435	50.2	−001 5	— —	+018 1	— —	— —	+0.002	+0.82 5	+0.72 2	— —	— —	— —	— —	+0.79
436	65.0	+296 5	— —	+263 1	+356 2	— —	+0.307	+1.12 5	+0.47 3	+0.81 4	— —	— —	— —	+0.85
437	43.9	−009 5	— —	+101 1	— —	— —	+0.009	+0.38 5	−0.03 1	— —	— —	— —	— —	+0.24
438	−0.1	+044 5	+033 2	+018 3	+016 4	+029 2	+0.029	+1.26 5 [4]	+0.33 3	+0.29 3	−0.69 2	+0.36 2	— —	+0.52
439	67.4	+078 5	— —	+083 1	−070 2	— —	+0.042	+0.89 5	+0.36 3	+0.80 3	— —	— —	— —	+0.72
440	77.6	+073 7 [5]	— —	— —	— —	— —	+0.078	+1.59 5	— —	— —	— —	— —	— —	+1.59
441	41.4	+002 5	— —	−042 1	— —	— —	−0.005	+0.64 5	+0.86 1	— —	— —	— —	— —	+0.68
442	39.7	+023 5	— —	+220 1	— —	— —	+0.056	+0.74 5	+0.02 2	— —	— —	— —	— —	+0.53
443	21.6	−078 5	— —	−113 2	— —	— —	−0.088	−0.06 5	+0.26 2	— —	— —	— —	— —	+0.03
444	59.1	−070 5	+075 1	−100 1	— —	— —	−0.054	+0.84 5	+1.85 1	— —	— —	— —	— —	+1.01
445	42.0	+033 5	+056 2	+027 3	+075 3	— —	+0.045	+0.13 5	−0.05 3	−0.65 3	— —	— —	— —	−0.13

[1] M.Kr. 1875 −0ˢ.096 (4). — [2] M.Kr. 1876 +0″.80 (4). — [3] M.Kr. 1876 −0″.70 (4). — [4] M.Kr. 1875 +0″.59 (4). — [5] M.Kr. 1872 +0ˢ.112 (1).

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. I. Zusatzsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875						
		Pulkowa 1871 $\Delta\alpha$ p	Pulkowa 1845 $\Delta\alpha$ p	Greenw. 1861 $\Delta\alpha$	Greenw. 1872 $\Delta\alpha$ p	Cambr. 1872 $\Delta\alpha$ p	Mittel $\Delta\alpha$	Pulkowa 1871 $\Delta\delta$ p	Greenw. 1861 $\Delta\delta$ p	Greenw. 1872 $\Delta\delta$ p	Cambr. 1872 $\Delta\delta$ p	Leipzig 1868 $\Delta\delta$ p	Leiden 1868 $\Delta\delta$ p	Mittel $\Delta\delta$
446	19.1	— 090 5	— —	— 004 1	— —	— —	— 0.076	+ 0.″55 5	+ 0.″90 1	— —	— —	— —	— —	+ 0.″61
447	63.4	+ 017 5	— —	+ 021 2	+ 026 2	— —	+ 0.020	+ 0.63 5	+ 0.64 2	+ 0.″22 3	— —	— —	— —	+ 0.51
448	66.1	— 051 5	— —	— 009 1	— 206 2	— —	— 0.085	+ 1.31 5	+ 0.87 2	+ 0.98 3	— —	— —	— —	+ 1.12
449	—4.9	— 009 5	— —	— 022 3	+ 008 4	— 012 2	— 0.007	+ 1.40 5[1]	+ 0.22 3	+ 0.52 3	+ 0.″27 2	+ 0.″84 2	— —	+ 0.86
450	39.2	— 047 5	— —	— 077 1	— 019 1	— —	— 0.047	— 0.60 5	— 0.73 1	— 0.53 1	— —	— —	— —	— 0.61
451	41.2	+ 020 5	— —	+ 040 1	+ 043 1	— —	+ 0.026	— 0.33 5	+ 0.02 1	+ 0.06 1	— —	— 0.76 2	— 0.″71 5	— 0.48
452	73.0	+ 321 5	— —	— —	+ 319 1	— —	+ 0.321	+ 0.46 5	+ 0.56 2	+ 0.19 3	— —	— —	— —	+ 0.40
453	60.6	— 043 5	— —	— —	— 049 2	— —	— 0.045	+ 1.52 5	— —	+ 1.61 2	— —	— —	— —	+ 1.55
454	37.8	+ 046 5	— —	+ 116 1	— —	— —	+ 0.058	+ 0.54 5	+ 0.35 2	+ 1.39 1	— —	— —	— —	+ 0.60
455	71.9	+ 126 5	— —	— —	+ 096 1	— —	+ 0.121	— 0.05 5	— —	— 0.24 3	— —	— —	— —	— 0.12
456	65.3	— 072 5	— —	— 118 2	— 027 2	— —	— 0.072	+ 0.70 5	+ 0.64 3	+ 0.60 4	— —	— —	— —	+ 0.65
457	28.0	+ 053 5	— —	+ 032 2	+ 012 2	— —	+ 0.039	+ 0.50 5	+ 0.44 2	+ 0.18 3	— —	— —	— —	+ 0.39
458	25.7	— 071 5	— —	— 059 2	— 060 1	— 007 2	— 0.055	+ 0.40 5	— 0.08 2	+ 0.14 4	+ 0.23 2	— —	— —	+ 0.22
459	78.1	— 203 7	— —	— 476 1	— 284 1	— —	— 0.242	+ 0.56 5	+ 1.98 1	+ 0.53 1	— —	— —	— —	+ 0.76
460	60.8	+ 010 5[2]	— —	— —	— —	— —	+ 0.109	+ 2.49 5[2]	— —	— —	— —	— —	— —	+ 2.78
461	44.9	+ 009 5	— —	+ 071 2	— —	— —	+ 0.027	— 0.30 5	— 0.90 2	— —	— —	— —	— —	— 0.47
462	59.8	— 008 5	+ 004 1	— 040 1	— —	+ 188 2	+ 0.033	— 0.70 5	+ 0.64 1	— —	— 0.81 2	— —	— —	— 0.56
463	15.0	— 036 5	— —	— —	— —	— —	— 0.036	— 0.62 5[3]	— —	— —	— —	— —	— —	— 0.50
464	66.4	— 177 5	— —	— 022 1	— 235 2	— —	— 0.172	— 0.15 5	+ 0.27 2	— 0.31 3	— —	— —	— —	— 0.11
465	27.4	+ 006 5	— —	+ 002 3	— 012 4	— 003 2	— 0.001	+ 0.65 5	+ 0.41 3	+ 0.83 3	— 0.34 2	+ 0.63 2	— —	+ 0.50
466	5.4	+ 026 5	— —	— 020 2	— —	— —	+ 0.013	+ 0.07 5	+ 0.51 1	— —	— —	— —	— —	+ 0.14
467	67.8	+ 008 5	— —	— 296 1	+ 008 2	— —	— 0.030	— 0.38 5	+ 0.38 2	— 0.23 4	— —	— —	— —	— 0.19
468	15.9	+ 042 5	— —	+ 050 2	— —	— —	+ 0.044	— 0.45 5	— 0.35 2	— —	— —	— —	— —	— 0.42
469	40.8	+ 079 5	+ 007 1	— 015 1	— —	— —	+ 0.055	— 1.12 5	— 1.01 2	— —	— —	— —	— —	— 1.09
470	63.0	— 060 5	— —	— —	— 050 2	— —	— 0.057	+ 0.41 5	— —	+ 0.64 2	— —	— —	— —	+ 0.48
471	55.1	+ 210 5	— —	— —	— —	+ 206 2	+ 0.209	+ 0.50 5	— —	— —	+ 0.58 2	— —	— —	+ 0.52
472	76.2	+ 033 5	— —	— 137 2	— 088 3	— 249 1	— 0.057	+ 0.59 5	+ 0.56 2	+ 0.61 4	0.00 1	+ 1.18 2	— —	+ 0.63
473	14.3	+ 153 5	— —	+ 008 1	+ 151 1	+ 114 2	+ 0.128	— 1.53 5	— 1.08 1	— 1.31 1	— 1.62 2	— —	— —	— 1.46
474	76.0	— 138 5	— —	— 259 1	— 107 1	— —	— 0.151	+ 0.77 5	+ 1.18 2	+ 0.84 3	— —	— —	— —	+ 0.87
475	55.5	— 171 5[4]	+ 025 1	+ 099 1	+ 015 1	— —	— 0.092	+ 1.59 5[5]	+ 1.22 1	+ 0.92 1	— —	— —	— —	+ 1.50
476	77.7	— 182 5	— —	— —	— 238 2	— —	— 0.198	— 0.06 5	— —	+ 1.30 2	— —	— —	— —	+ 0.33
477	57.0	+ 032 5	+ 162 1	+ 028 2	+ 013 2	+ 027 2	+ 0.038	+ 0.14 5[6]	+ 0.40 2	+ 0.40 2	+ 0.93 2	+ 0.68 2	— —	+ 0.47
478	15.2	+ 022 5	— —	+ 086 2	— —	+ 065 2	+ 0.046	+ 0.36 5	— 0.14 2	— —	+ 0.79 2	— —	— —	+ 0.34
479	12.9	— 013 5	— —	— 008 2	— —	— —	— 0.012	— 0.59 5	+ 0.16 2	— —	— —	— —	— —	— 0.38
480	40.7	+ 241 5[7]	— —	— —	— —	+ 304 1	+ 0.238	— 0.76 5[7]	— —	— —	+ 0.63 1	— —	— —	— 0.66
481	48.4	+ 121 5	+ 027 1	+ 056 1	— —	— —	+ 0.098	+ 1.29 5	— 0.16 2	— —	— —	— —	— —	+ 0.88
482	68.2	+ 153 5	— —	— 100 2	+ 109 2	— —	+ 0.087	+ 0.33 5	+ 0.65 3	+ 0.76 3	— —	— —	— —	+ 0.53
483	68.8	+ 033 5	— —	+ 025 2	+ 164 2	+ 147 2	+ 0.076	+ 0.55 5	+ 0.85 3	+ 0.90 4	+ 1.14 2	— —	— —	+ 0.80
484	72.2	+ 067 5	+ 066 2	+ 139 2	+ 091 2	+ 168 2	+ 0.097	+ 0.20 5	+ 0.57 3	+ 0.23 4	+ 0.65 2	— —	— —	+ 0.35
485	77.0	+ 214 5	— —	+ 339 1	+ 253 1	+ 249 1	+ 0.239	+ 0.27 5	+ 1.25 1	+ 0.26 2	— 1.61 1	— —	— —	+ 0.17
486	42.1	+ 231 5	— —	+ 259 2	— —	— —	+ 0.239	+ 0.57 5	+ 0.33 2	+ 1.29 1	— —	— —	— —	+ 0.60
487	64.4	+ 003 5	— —	+ 028 2	— —	— —	+ 0.010	+ 0.68 5	+ 1.29 3	+ 0.78 2	— —	— —	— —	+ 0.88
488	58.7	+ 161 5	— —	+ 287 1	— —	+ 115 2	+ 0.165	+ 0.20 5	— 0.87 1	— —	— 0.83 2	— —	— —	— 0.19
489	71.3	— 230 5[8]	— —	— 159 2	— 203 2	— —	— 0.202	+ 0.28 5[9]	+ 0.62 2	+ 0.43 3	— —	— —	— —	+ 0.43
490	77.4	— 345 5	— 044 2	— —	— 455 1	— —	— 0.283	+ 0.06 5	— —	— 0.66 2	— —	— —	— —	— 0.15
491	65.4	+ 304 5	— —	— —	— —	— —	+ 0.304	+ 2.13 5[10]	— —	— —	— —	— —	— —	+ 2.50
492	43.8	+ 001 5	— —	+ 054 3	+ 042 4	+ 035 2	+ 0.029	+ 0.42 5	+ 0.53 3	+ 0.48 4	+ 0.68 2	— —	— —	+ 0.50
493	71.1	+ 140 5	+ 032 2	+ 059 1	+ 092 2	— —	+ 0.101	— 0.05 5	— 0.23 3	+ 0.45 2	— —	— —	— —	— 0.01
494	35.9	+ 030 5	— —	+ 019 2	+ 008 3	— —	+ 0.021	+ 0.93 5	+ 0.70 3	+ 0.71 4	— —	— —	— —	+ 0.80
495	11.4	+ 035 5	— —	+ 045 3	+ 032 4	+ 033 1	+ 0.036	+ 0.16 5	+ 0.44 3	+ 0.65 4	+ 0.45 1	+ 0.17 4	— —	+ 0.34

[1]) M.Kr. 1875 + 1.″24 (4). — [2]) M.Kr. 1862 + 0.ˢ196 (2); 1875 + 0.ˢ188 + 3.″14 (4). — [3]) M.Kr. 1875 — 0.″34 (4). — [4]) P.I 1865 — 0.ˢ114 (1). — [5]) M.Kr. 1875 + 1.″59 (4). — [6]) M.Kr. 1875 + 0.″61 (4). — [7]) M.Kr. 1875 + 0.ˢ218 — 0.″85 (4). — [8]) P.I. 1863 — 0.ˢ195 (7). — [9]) Vert.Kr. 1873 + 0.″48 (7). — [10]) M.Kr. 1875 + 2.″96 (4).

Correctionen des vorläufigen Catalogs, gültig für die Epoche 1875.0. II. Zusatzsterne.

Nr.	Decl.	Correction der Rectascension für 1875						Correction der Declination für 1875						
		Pulkowa 1871	Pulkowa 1845	Greenw. 1861	Greenw. 1872	Cambr. 1872	Mittel	Pulkowa 1871	Greenw. 1861	Greenw. 1872	Cambr. 1872	Leipzig 1868	Leiden 1868	Mittel
		$\Delta\alpha$ p	$\Delta\alpha$ p	$\Delta\alpha$ p	$\Delta\alpha$ p	$\Delta\alpha$ p	$\Delta\alpha$	$\Delta\delta$ p	$\Delta\delta$ p	$\Delta\delta$ p	$\Delta\delta$ p	$\Delta\delta$ p	$\Delta\delta$ p	$\Delta\delta$
496	37°.9	−017 5	— —	−018 1	+080 1	— —	−0ˢ.003	+0″.83 5	+0″.18 1	+1″.14 3	— —	— —	— —	+0″.86
497	79.4	+162 5	— —	— —	−088 2	— —	+0.091	−0.60 5	— —	−0.26 3	— —	— —	— —	−0.47
498	49.9	+067 5	+012 1	+070 3	+142 1	— —	+0.070	+1.56 5	+1.28 3	— —	— —	+0″.88 3	+1″.54 5	+1.37
499	37.1	+046 5	— —	+096 1	— —	— —	+0.054	+0.43 5	−0.63 1	— —	— —	— —	— —	+0.25
500	56.2	−050 5[1]	— —	+203 1	— —	— —	−0.021	+0.39 5	+0.97 1	— —	— —	— —	— —	+0.49
501	24.3	−016 5	— —	−023 1	— —	— —	−0.017	−0.54 5	−2.34 1	— —	— —	— —	— —	−0.84
502	77.3	+164 5	−028 2	+106 3	+162 3	+284 2	+0.142	+0.30 5	+1.01 3	+0.29 4	+0″.84 2	+0.50 2	— —	+0.52
503	9.6	+068 5	— —	+066 1	— —	— —	+0.069	−0.13 5	−1.43 1	— —	— —	— —	— —	−0.35
504	74.5	+138 5[2]	+020 1	+177 2	+131 2	— —	+0.103	+0.65 5	+0.55 3	+0.74 4	— —	— —	— —	+0.65
505	57.1	+182 5	— —	+043 1	— —	— —	+0.159	−0.27 5[3]	+0.66 1	— —	— —	— —	— —	+0.23
506	36.0	+059 5	— —	+041 2	+086 1	— —	+0.058	+0.12 5	−0.10 2	−0.49 2	— —	+0.24 3	−0.19 5	−0.05
507	27.6	+083 5	— —	+033 3	+029 4	+048 2	+0.052	+0.02 5	−0.04 3	+0.35 4	−0.36 2	+0.07 3	+0.34 5	+0.12
508	82.1	−014 7	— —	+309 1	+136 1	— —	+0.039	+0.22 5	+0.32 3	+0.32 3	— —	— —	— —	+0.27
509	80.1	+028 5	+029 2	+169 2	+094 3	— —	+0.066	+0.48 5	+0.31 3	+0.45 4	— —	— —	— —	+0.43
510	77.6	−196 5	— —	−111 1	−060 2	— —	−0.151	+0.69 5	+1.28 3	+0.87 4	— —	— —	— —	+0.90
511	59.5	+058 5	— —	+045 1	— —	— —	+0.056	+0.56 5	+0.37 1	— —	— —	— —	— —	+0.53
512	19.3	−016 5	— —	−019 2	−022 2	— —	−0.018	+0.22 5	+0.80 2	+0.61 3	— —	— —	— —	+0.45
513	46.0	+114 5	— —	+088 2	— —	— —	+0.107	−0.31 5	+0.16 2	— —	— —	— —	— —	−0.18
514	39.9	+052 5	— —	+090 1	— —	— —	+0.058	−0.65 5	−0.41 1	— —	— —	— —	— —	−0.61
515	56.9	−079 5	— —	— —	— —	— —	−0.079	+0.51 5[4]	— —	— —	— —	— —	— —	+0.79
516	70.7	−020 5	— —	−054 2	−101 1	−031 2	−0.037	+0.97 5	+0.48 3	+0.34 3	+1.55 2	— —	— —	+0.80
517	48.7	+028 5	— —	+090 1	— —	+055 2	+0.042	+0.73 5	−0.32 1	— —	+2.46 2	— —	— —	+1.03
518	25.3	+054 5	— —	+039 3	+036 4	+087 2	+0.050	+0.13 5	+0.24 3	+0.29 4	+0.80 2	+0.46 3	+0.42 5	+0.35
519	12.5	−004 5	— —	−003 2	−018 2	— —	−0.007	−0.49 5	+0.07 2	−0.41 2	— —	— —	— —	−0.35
520	62.2	+176 5	— —	+304 1	+062 1	— —	+0.178	+1.65 5	+1.24 1	+1.29 2	— —	— —	— —	+1.51
521	71.7	−082 5	— —	+111 2	+055 2	— —	−0.009	+1.13 5	+0.80 3	+0.45 2	— —	— —	— —	+0.89
522	−8.4	+090 5	+025 2	−015 3	−008 4	−043 2	+0.021	+1.15 5	−0.21 3	+0.46 3	+0.09 2	+0.27 3	— —	+0.47
523	11.6	+051 5	— —	−051 1	+031 1	— —	+0.034	+0.12 5	+0.55 1	+0.42 2	— —	— —	— —	+0.25
524	51.6	+029 5	+073 1	+003 2	— —	+062 2	+0.035	+0.17 5	+0.07 2	— —	−0.26 2	+0.43 2	+0.34 5	+0.19
525	73.0	+071 5	+151 2	+339 2	+312 1	— —	+0.165	+0.92 5	+1.06 3	+0.63 3	— —	— —	— —	+0.88
526	38.4	−037 5	— —	−028 1	+027 1	— —	−0.027	+0.58 5	+0.40 2	+0.28 3	— —	— —	— —	+0.45
527	62.9	−044 5	— —	−064 1	+007 1	— —	−0.040	+0.80 5	−0.30 2	+0.26 2	— —	— —	— —	+0.44
528	41.2	+019 5	+032 1	+041 1	— —	+019 2	+0.023	−0.89 5	−0.04 1	— —	−0.85 2	— —	— —	−0.77
529	74.7	−066 7	— —	+261 2	+089 2	— —	+0.022	+0.95 5	+0.08 3	+0.60 3	— —	— —	— —	+0.62
530	56.5	+057 5	— —	+096 1	+104 2	— —	+0.074	+0.80 5	+0.83 1	+1.25 2	— —	— —	— —	+0.92
531	23.1	+013 5	— —	−007 1	−007 2	+012 2	+0.007	+0.23 5	+0.10 2	−0.23 2	+0.24 2	— —	— —	+0.11
532	22.7	−004 5	— —	−062 2	+013 1	+016 2	−0.010	+0.03 5	−0.07 3	+0.18 2	+0.68 2	— —	— —	+0.22
533	61.6	−003 5	— —	+068 1	+078 2	— —	+0.026	+0.06 5	−0.16 2	+0.03 2	— —	— —	— —	−0.01
534	0.6	+008 5	−032 2	−015 3	−001 4	— —	−0.005	+0.81 5	−0.12 3	+0.52 3	— —	+0.13 3	— —	+0.40
535	12.1	+038 5	— —	−019 1	+036 2	— —	+0.030	+0.14 5	+0.43 1	+0.35 2	— —	— —	— —	+0.23
536	30.6	+137 5	— —	+143 1	— —	— —	+0.138	+0.31 5	+0.64 1	— —	— —	— —	— —	+0.36
537	67.1	+082 5	— —	+096 2	+158 2	— —	+0.102	+0.43 5	+0.33 3	+0.44 4	— —	— —	— —	+0.41
538	18.4	+023 5	— —	−035 1	+041 2	−015 2	+0.013	−0.33 5	+0.08 1	−0.10 2	−0.36 2	— —	— —	−0.25
539	56.8	+091 5	— —	+100 1	— —	+110 2	+0.097	+0.01 5	+0.40 1	— —	−0.31 2	— —	— —	−0.02

[1]) M.Kr. 1875 −0ˢ.042 (4). — [2]) P.I. 1873 +0ˢ.060 (7). — [3]) M.Kr. 1878 +0″.74 (4). — [4]) M.Kr. 1878 +1″.13 (4).

CATALOG

DER

FUNDAMENTAL-STERNE

FÜR DIE

ZONEN-BEOBACHTUNGEN

DER

ASTRONOMISCHEN GESELLSCHAFT

AM NÖRDLICHEN HIMMEL.

ERLÄUTERUNGEN.

Die Namen, Grössen und Eigenbewegungen für die Bradley'schen Sterne, die durch Aufführung ihrer dem Catalog der Fundamenta entsprechenden Nummern in Col. 8 des hier folgenden Verzeichnisses kenntlich gemacht sind, sind aus dem neuen Catalog für 1755 entnommen, in welchem die Namen nach einer Revision der Constellations-Grenzen in einzelnen Fällen abweichend von dem vorläufigen Verzeichniss (1869), die Grössen in der Regel im Mittel nach den Bestimmungen von Argelander und Heis angesetzt sind. Für die nicht bei Bradley vorkommenden Sterne ist Nomenclatur und Grössenangabe dem entsprechend gewählt. Bei Doppelsternen bezieht sich die Grössenangabe auf den Hauptstern, ausser wo der Schwerpunct einer für Meridian-Instrumente nicht mehr in zwei Bilder aufzulösenden Lichtmasse als Beobachtungsobject dient. Angaben über Duplicität sind in den „Bemerkungen" in solchem Umfange gemacht, wie sie bei Meridian-Beobachtungen von Interesse sein können. Der Aufführung von Sternen als veränderlichen und den Grössenangaben für dieselben liegt der zweite Catalog von Schönfeld (Mannheim 1875) zu Grunde.

Die Eigenbewegungen beruhen, soweit Bradley'sche Oerter vorhanden sind, unmittelbar auf der Vergleichung derselben mit dem Cataloge „Greenwich 1861"; die überall innerhalb der Grenzen der verbleibenden Unsicherheit liegenden Reductionen auf das „vorläufige System Pulkowa 1865" sind zu denselben noch nicht hinzugefügt. Ebenso sind die Reductionen, welche der Strenge nach an diese unmittelbar für den Aequator von 1810 geltenden Eigenbewegungen noch zur Uebertragung auf den Aequator von 1875 anzubringen wären, ausser bei einigen sehr nördlichen Sternen, fortgelassen. Der Betrag letzterer Reductionen $= \Delta\mu$ ist in der Columne „Bemerkungen" beiläufig — in der letzten Decimale nicht verbürgt — angegeben. Die folgenden Sterne sind bei Bradley nur ein Mal beobachtet und ihre Bewegungen deshalb minder sicher: in AR Nr. 14, 36, 38, 80, 171, 208, 249, 253; 345, 356, 358, 368, 371, 375, 384, 390, 391, 394, 396, 397, 406, 433, 441, 444, 447, 461, 485, 488, 495, 496, 508, 509, 510, 514, 516, 525; in Decl. Nr. 13, 36, 94, 95, 104, 188, 198; 338, 415, 448, 458, 496, 525, 530. Noch weniger sicher sind die, im Verzeichniss deshalb mit einer Decimale weniger angesetzten, Eigenbewegungen für die bei Bradley gänzlich fehlenden Coordinaten, welche in dem neuen Cataloge für 1755 nur durch Vergleichungen mit Piazzi, Groombridge oder anderen Catalogen aus dem Ende des vorigen oder dem Anfang des gegenwärtigen Jahrhunderts ergänzt sind.

Nicht zu den Bradley'schen Sternen gehören 9 von den Pulkowaer Hauptsternen und 43 Zusatzsterne. Für erstere sind die Eigenbewegungen aus dem ganzen zugänglichen Material neu bestimmt worden, für letztere sind die Werthe des frühern Catalogs, welche nach Argelander's in den meisten Fällen auf das ganze bis 1869 publicirte Material basirten Berechnungen angesetzt waren, mit den der Veränderung der Praecession entsprechenden Reductionen beibehalten.

Für die Sterne nördlich von 75° sind doppelte Werthe der Eigenbewegung überall da angegeben, wo dieselben sich in 10 Jahren mehr als eine halbe Einheit der letzten angesetzten Stelle ändern. In diesen Fällen gibt die obere Zahl die Eigenbewegung für den Aequator von 1865, die untere diejenige für 1885.

Trotz ihrer wesentlichen Verbesserung werden auch in dem gegenwärtigen Cataloge die Eigenbewegungen noch der schwache Punct sein, und die Sicherheit der Oerter für 1875, namentlich für die erste Abtheilung, deren mittlere Epoche weiter zurück liegt, nicht unmerklich beeinträchtigen. Der Catalog wird verbessert, und seine Brauchbarkeit für einige Decennien verlängert werden können, sobald eine der Schärfe der gegenwärtigen Ortsbestimmungen entsprechende Berechnung der Eigenbewegungen wenigstens der Bradley'schen Sterne ausgeführt sein wird. Um diese Verbesserung dann ohne weiteres zu ermöglichen, sind in dem Catalog die mittleren Epochen der benutzten Bestimmungen angegeben*), während die Angabe der Bradley'schen Nummer als Hülfsmittel dienen wird, um in den meisten Fällen einfach durch Nachschlagen der betreffenden Catalogabtheilung die gegenwärtige Zuverlässigkeit der Bestimmung der Eigenbewegung zu beurtheilen. —

Den Praecessionen liegen in der gegenwärtigen Ausgabe des Catalogs die Struve'schen Constanten zu Grunde, nämlich für 1875

$m = 46''.08367$, und $m' = +\ 0''.0002849$
$n = 20.05423$, „ $n' = -\ 0.0000863$

Die Praecessionen sind aber nur für diejenigen Sterne unmittelbar neu berechnet, für welche die Rectascensionen des vorläufigen Catalogs um mehr als $0^s.2$ zu corrigiren waren, ausserdem alle negativen und alle $+ 6^s$ übersteigenden Rectascensions-Praecessionen. In allen anderen Fällen sind nur zu den früheren Bessel'schen Praecessionen die Reductionen $+ 0^s.001123 + 0^s.000129 \tan\delta \sin\alpha$ und $+ 0''.00194 \cos\alpha$ hinzugefügt. Die Saecular-Variationen sind ebenfalls der früheren Berechnung entnommen, indem die Werthe des vorläufigen Catalogs, die mit der Menten'schen Tafel im VII. Bande der Bonner Beobachtungen, S. 152—163, berechnet sind, vermittelst einer Correctionstafel reducirt wurden, die folgenden Ausdrücken entspricht:

Corr. der Var. saec. AR $= -\ 15.8 + (0.86224) \sin(\alpha + 11°36') \tan\delta + (8.79395) \sin 2\alpha \tan\delta^2$
in Einheiten der 5. Dec. der Zeitsecunde

Corr. der Var. saec. Decl. $= (1.03833) \cos(\alpha + 11°36') - (8.97003) \sin\alpha^2 \tan\delta$
in Einheiten der 4. Dec. der Bogensecunde.

Das dritte Glied der Praecession, nämlich der Coefficient von $(t/_{100})^3$, für alle Sterne von grösserer Declination als 39°, ist aus einer neuen Tafel berechnet, welche der Tiele'schen Tafel S. 164—165 im VII. Bande der Bonner Beobachtungen entspricht. Diese neue Tafel und die Correctionstabellen zu der Menten'schen Tafel sind, weil sie bei der Anlage des Zonen-Catalogs noch werden benutzt werden können, hier im Anhange abgedruckt.

Die Correctionen des vorläufigen Catalogs sind für die Zeit t (abgesehen von den höheren Gliedern):

$\Delta\alpha + (t - 1875.0)\, \Delta(\text{v.a.})_\alpha$ und $\Delta\delta + (t - 1875.0)\, \Delta(\text{v.a.})_\delta$

Die in den vier letzten Zahlen-Columnen angegebenen Werthe der Correctionen der Rectascension und Declination für 1875 und ihrer jährlichen Veränderungen setzen jedoch voraus, dass zuvor die im 5. und 6. Bande der Vierteljahrsschrift angegebenen und noch einige später bemerkten Irrthümer in dem Catalog von 1869 berichtigt werden. $\Delta\alpha$ und $\Delta\delta$ beziehen sich auf bereits verbesserte Oerter in folgenden Fällen:

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*) Für die Rectascensionen der meisten Pulkowaer Hauptsterne sind die Epochen von Herrn Wagner nicht abgeleitet und haben deshalb nur = 1865.0 angenommen werden können. Diese Annahme wird ausnahmsweise mehr als 2 Jahr falsch, und die angesetzte Mittelepoche im Allgemeinen nur bis auf ein ganzes Jahr zu verbürgen sein. Die betreffenden Epochen sind deshalb nur in ganzen Jahren angegeben. Practisch ist dieser Umstand unerheblich, weil für die Eigenbewegungen gerade fast aller dieser Sterne gut bestimmte Werthe der Reduction auf 1865 zu Grunde gelegt worden sind. Für die von Bradley gar nicht oder ohne Rectascension bestimmten Sterne sind die Epochen auch in dieser Catalogabtheilung genau ermittelt. — Die aus Newcomb's Fundamental-Catalog entnommenen Rectascensionen sind als bestimmt für die Epoche 1860 angesehen.

Nr.	1.	verb.	vorl.	Decl.	$+ 28^\circ\ 24'\ 0''.97$
„	6.	„	„	AR	$0^h\ 30^m\ 0^s.980$
„	6.	„	„	Decl.	$+ 53^\circ\ 12'\ 30''.21$
„	8.	„	„	Decl.	$+ 28\ 37\ 57.84$
„	88.	„	„	AR	$5^h\ 11^m\ 32^s.290$
„	88.	„	„	Decl.	$- 6^\circ\ 58'\ 52''.83$
„	109.	„	„	Decl.	$+ 25\ 15\ 9.57$
„	110.	„	„	AR	$6^h\ 38^m\ 16^s.384$
„	110.	„	„	Decl.	$+ 13^\circ\ 1'\ 41''.74$
„	118.	„	„	Decl.	$+ 8\ 32\ 21.52$
„	159.	„	„	Decl.	$+ 33\ 46\ 33.55$
„	238.	„	„	Decl.	$+ 24\ 59\ 16.21$
„	513.	„	„	Decl.	$+ 45\ 59\ 23.86$

und um solche Oerter, welche aus dem vorläufigen Catalog für andere Epochen als 1875.0 berechnet sind, vermittelst der Angaben des folgenden Verzeichnisses für die Correctionen der vorläufigen Oerter richtig zu verbessern, hat man ferner die folgenden Verbesserungen des vorläufigen Catalogs vorweg zu berücksichtigen:

Nr.	1.	Praec.	AR	$+ 3^s.07720$	
„	6.	„	AR	$+ 3.30457$	v.s. $+ 0^s.04921$
„	6.	„	Decl.	$+ 19''.8806$	v.s. $- 0''.0725$
„	7.	Var. saec.	p_α	$+ 0^s.02437$	
„	71.	Praec.	AR	$+ 3.44391$	
„	88.	„	AR	$+ 2.91107$	
„	92.	„	AR	$+ 7.98039$	
„	97.	„	AR	$+ 3.04142$	
„	110.	„	AR	$+ 3.37614$	v.s. $- 0^s.00159$
„	110.	„	Decl.	$- 3''.3331$	v.s. $- 0''.4839$
„	159.	„	AR	$+ 3^s.25807$	
„	198.	3. Gl.	p_α	$- 0.133$	
„	228.	Praec.	Decl.	$- 8''.0883$	
„	238.	„	AR	$+ 2^s.46293$	
„	301.	„	AR	$+ 2.17779$	
„	484.	E. B.	Decl.	$- 0''.266$	

Bei Nr. 480 ist das fehlende Zeichen der E.B. AR — zu lesen, und bei Nr. 510 sind die folgenden einander correspondirenden Berichtigungen vorzunehmen:

Praec.	AR	$- 1^s.08274$	Decl.	$+ 14''.6631$
E.B.	„	$+ 0.01180$	„	$+ 0.0157$. *)

In den Ephemeriden, welche, auf die Oerter des vorläufigen Catalogs gegründet, durch die

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*) Die Correctionen der aus dem vorläufigen Catalog folgenden Oerter sind für die Epochen 1865, 1875 und 1885 im 13. Band der V.J.S., S. 205—219, bez. B. 14, S. 3, dem Obigen gemäss zusammengestellt (bei der Anwendung dieser Zusammenstellung sind nöthigenfalls die höheren Glieder der Eigenbewegung, für welche der vorläufige Catalog Angaben nicht enthält, so wie die ausnahmsweise nicht völlig verschwindenden Correctionen der höheren Praecessionsglieder noch besonders hinzuzufügen).

Die gegenwärtige definitive Redaction des Catalogs weicht von den Grundlagen der bezeichneten Mittheilungen bei sieben Sternen etwas ab, für welche — unter gleicher Voraussetzung — Folgendes zu substituiren ist:

Nr. 19.	Corr.	AR	1865	$+ 0^s.289$	1875	$+ 0^s.608$	1885	$+ 0^s.927$
„ 111.	„	„	„	$- 0.141$	„	$- 0.255$	„	$- 0.369$
„ 226.	„	„	„	$+ 0.024$	„	$- 0.017$	„	$- 0.058$
„ 256.	„	„	„	$- 0.009$	„	$- 0.042$	„	$- 0.075$
„ 284.	„	„	„	$- 1.340$	„	$- 1.693$	„	$- 2.046$
„ 344.	„	Decl.	„	$+ 0''.02$	„	$- 0''.06$	„	$- 0''.14$
„ 387.	„	AR	„	$+ 0^s.076$	„	$+ 0^s.076$	„	$+ 0^s.076$

Redaction des Berliner Astronomischen Jahrbuchs für die Jahre 1870—1879 herausgegeben sind, und ebenso in den zugehörigen Verzeichnissen der mittleren Oerter für den Anfang der Jahre 1871—1879, haben alle vorstehend aufgeführten Berichtigungen bereits theils von Anfang an Berücksichtigung gefunden, theils sind die daraus entspringenden Verbesserungen der Ephemeriden in besonderen Verzeichnissen am Schluss der einzelnen Jahrgänge mitgetheilt, mit alleiniger Ausnahme der erst vor Benutzung der Reductionen $\Delta\alpha$, $\Delta\delta$ etc. noch besonders zu verbessernden Irrthümer bei den Sternen Nr. 7, 71, 198 und 301, von welchen auch nur der zweite und der vierte innerhalb der Intervalle der publicirten Ephemeriden merklichen Einfluss haben. Einige kleinere Verbesserungen, welche ferner die Angaben des vorläufigen Catalogs für das 3. Glied der Praecession erfordern, brauchen nicht aufgeführt zu werden, weil sie für die Zeit, innerhalb welcher jener Catalog benutzt ist, einflusslos sind. — Für γ Virginis (Nr. 172) ist im vorläufigen Cataloge die AR der Mitte und die Declination des südlichen (und folgenden) Sterns angegeben, im neuen Catalog ist mit Rücksicht auf die Schnelligkeit der Bahnbewegung auch die Declination der Mitte angesetzt, und in dem angegebenen Werthe $\Delta\delta$ ausser der eigentlichen Verbesserung der früheren Declination auch die Reduction derselben auf die Mitte bereits enthalten, welche zufolge einer Ausgleichung der Struve'schen Beobachtungen für $1875.0 = +2''.12$, für $1880.0 = +2''.36$ und innerhalb dieser Zeit gleichförmig zunehmend angenommen werden kann.

Für Procyon sind im Catalog die Coordinaten des Mittelpuncts der Bahn und deren jährliche Aenderungen angegeben. Den Ort des Sterns erhält man hieraus, nach den Elementen von 1873 (El.V), durch Hinzufügung der folgenden Quantitäten*):

Am Anf. d. Jahres	Period. Glied in AR	in Decl.	Am Anf. d. Jahres	Period. Glied in AR	in Decl.	Am Anf. d. Jahres	Period. Glied in AR	in Decl.	Am Anf. d. Jahres	Period. Glied in AR	in Decl.
1860	$+0^s.0494$	$-0''.647$	1870	$-0^s.0436$	$-0''.733$	1880	$-0^s.0489$	$+0''.655$	1890	$+0^s.0441$	$+0''.727$
1861	+0.0420	−0.755	1871	−0.0508	−0.622	1881	−0.0414	+0.761	1891	+0.0512	+0.614
1862	+0.0335	−0.844	1872	−0.0567	−0.495	1882	−0.0329	+0.849	1892	+0.0570	+0.487
1863	+0.0242	−0.912	1873	−0.0612	−0.357	1883	−0.0236	+0.915	1893	+0.0615	+0.347
1864	+0.0143	−0.957	1874	−0.0642	−0.209	1884	−0.0137	+0.959	1894	+0.0643	+0.199
1865	+0.0041	−0.979	1875	−0.0656	−0.056	1885	−0.0034	+0.979	1895	+0.0656	+0.046
1866	−0.0063	−0.976	1876	−0.0654	+0.099	1886	+0.0069	+0.975	1896	+0.0654	−0.109
1867	−0.0165	−0.949	1877	−0.0635	+0.250	1887	+0.0171	+0.947	1897	+0.0633	−0.260
1868	−0.0262	−0.899	1878	−0.0601	+0.396	1888	+0.0269	+0.895	1898	+0.0598	−0.406
1869	−0.0354	−0.827	1879	−0.0552	+0.532	1889	+0.0359	+0.821	1899	+0.0548	−0.548
									1900	+0.0485	−0.662

Periode $= 39^J866$.

Hülfsmittel zur Berechnung der scheinbaren Oerter der Sterne des Catalogs werden vermittelst der, zum Theil auch aus diesem Grunde, hier aufgeführten Bradley-Nummern leicht gefunden werden, indem die 2. Abtheilung des dritten Bandes der neuen Bearbeitung die logg *a b c d* etc. für die Bradley'schen Sterne für die Epochen 1755 und 1855 enthalten wird, woraus, ausser bei den nördlichsten Sternen, durch Extrapolation noch für geraume Zeit hinreichend genaue Werthe dieser Quantitäten zu entnehmen sind. Zur Vervollständigung dieser Hülfsmittel für den gegenwärtigen Catalog habe ich dieselben Constanten, für die Epochen 1865 und 1885, für die nicht bei Bradley vorkommenden Sterne berechnen lassen und hier als Anhang III mitgetheilt.

*) Dieselben gelten streng genommen für einen festen Meridian, dem etwa die Zeit 1845 zugehört. Der Einfluss der Praecession erreicht aber auch am Ende der obigen Tafel noch nicht ganz eine halbe Einheit der vorletzten Stelle und ist deshalb vernachlässigt.

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.
1	2.0	21 α Andromedae	3215	1861	1864.1	$0^h\ 1^m 55^s.760$	$+0^s.0095$	$+3^s.0783$	$+0^s.0183$	
2	2.1	11 β Cassiopejae	3216	1860	1865.0	0 2 31.067	+ 0.0658	+ 3.0962	+ 0.0513	$+0^s.049$
3	2.6	88 γ Pegasi	1	1860	1863.4	0 6 48.039	— 0.0007	+ 3.0825	+ 0.0100	
4	3.3	8 ι Ceti	14	1863	1868.7	0 13 3.531	— 0.0032	+ 3.0595	— 0.0023	
5	4.3	15 $\varkappa$ Cassiopejae	43	1864	1867.6	0 25 54.550	+ 0.0009	+ 3.3588	+ 0.0701	+ 0.069
6	4.0	17 ζ Cassiopejae	52	1862	1866.1	0 30 0.985	+ 0.0018	+ 3.3057	+ 0.0491	+ 0.038
7	4.0	29 π Andromedae	53	1862	1864.4	0 30 12.513	— 0.0004	+ 3.1865	+ 0.0242	
8	4.1	30 ε Andromedae	56	1863	1868.1	0 31 57.214	— 0.0184	+ 3.1737	+ 0.0209	
9	3.3	31 δ Andromedae	57	1860	1866.5	0 32 38.871	+ 0.0100	+ 3.1826	+ 0.0221	
10	2.2 ... 2.8	18 α Cassiopejae	59	1862	1863.1	0 33 25.456	+ 0.0035	+ 3.3587	+ 0.0553	+ 0.045
11	4.1	34 ζ Andromedae	78	1862	1868.3	0 40 42.938	— 0.0091	+ 3.1754	+ 0.0178	
12	3.8	24 η Cassiopejae	79	1863	1867.5	0 41 32.848	+ 0.1346	+ 3.4455	+ 0.0606	+ 0.049
13	2.0	27 γ Cassiopejae	99	1861	1866.1	0 49 10.680	+ 0.0013	+ 3.5661	+ 0.0713	+ 0.061
14	4.0	37 μ Andromedae	101	1862	1865.6	0 49 49.271	+ 0.0141	+ 3.2961	+ 0.0305	
15	4.0	71 ε Piscium	113	1863	1866.2	0 56 27.423	— 0.0070	+ 3.1135	+ 0.0087	
16	2.3	43 β Andromedae	140	1864	1867.8	1 2 44.301	+ 0.0144	+ 3.3249	+ 0.0286	
17	4.0	83 τ Piscium	149	1862	1872.6	1 4 46.811	+ 0.0045	+ 3.2826	+ 0.0237	
18	4.1	90 υ Piscium	173	1861	1865.8	1 12 35.974	— 0.0002	+ 3.2809	+ 0.0218	
19	2.0	1 α Ursae min.	102	1862	1863.5	1 13 0.041	$\{^{+0.1134}_{+0.1224}\}$	+20.7435	+14.9673	+279.200
20	2.8	37 δ Cassiopejae	180	1860	1861.7	1 17 39.264	+ 0.0384	+ 3.8292	+ 0.0773	+ 0.057
21	3.0	45 ϑ Ceti	184	1864	1867.7	1 17 46.562	— 0.0068	+ 3.0031	+ 0.0018	
22	3.6	99 η Piscium	203	1863	1865.8	1 24 47.799	— 0.0002	+ 3.1991	+ 0.0141	
23	3.6	υ Persei	212	1863	1867.6	1 30 19.716	+ 0.0045	+ 3.6423	+ 0.0482	+ 0.024
24	4.0	φ Persei	227	1862	1865.5	1 35 50.120	+ 0.0011	+ 3.7206	+ 0.0528	+ 0.026
25	4.1	110 o Piscium	232	1863	1867.4	1 38 47.660	+ 0.0029	+ 3.1559	+ 0.0111	
26	3.3	45 ε Cassiopejae	239	1862	1866.9	1 45 25.324	+ 0.0035	+ 4.2398	+ 0.0992	+ 0.069
27	3.6	2 α Trianguli	245	1861	1866.6	1 45 57.610	+ 0.0004	+ 3.4024	+ 0.0249	
28	4.3 u. 4.4	5 γ Arietis*)	248/9	1861	1869.6	1 46 40.430	+ 0.0035	+ 3.2751	+ 0.0172	
29	4.0	111 ξ Piscium	251	1861	1870.5	1 47 5.132	+ 0.0004	+ 3.0993	+ 0.0083	
30	2.8	6 β Arietis	252	1863	1869.4	1 47 44.257	+ 0.0050	+ 3.2950	+ 0.0183	
31	4.0	50 Cassiopejae	260	1863	1866.9	1 52 47.989	— 0.0110	+ 4.9955	+ 0.1870	+ 0.191
32	2.4	57 γ Andromedae	276	1863	1867.7	1 56 13.993	+ 0.0021	+ 3.6514	+ 0.0392	+ 0.013
33	2.0	13 α Arietis	287	1861	1863.9	2 0 7.801	+ 0.0127	+ 3.3545	+ 0.0203	
34	3.0	4 β Trianguli	290	1862	1869.8	2 2 6.653	+ 0.0118	+ 3.5371	+ 0.0303	
35	1.7 ... 9	68 o Ceti	329	1861	1871.9	2 13 1.952	— 0.0022	+ 3.0268	+ 0.0064	
36	4.1	ι Cassiopejae	332	1863	1865.6	2 18 47.628	— 0.0046	+ 4.8513	+ 0.1311	+ 0.077
37	4.0	73 ξ^2 Ceti	347	1863	1867.4	2 21 30.882	+ 0.0011	+ 3.1796	+ 0.0116	
38	5.6	Cassiop. 36 Hev.	348	1861	1863.7	2 26 11.533	— 0.0045	+ 5.5623	+ 0.2037	+ 0.154
39	4.0	82 δ Ceti	372	1863	1868.8	2 33 4.602	+ 0.0004	+ 3.0692	+ 0.0081	
40	4.0	13 ϑ Persei	374	1863	1867.2	2 35 40.284	+ 0.0330	+ 4.0282	+ 0.0507	+ 0.009

*) Dpl. 8″.6; die AR gilt für die Mitte, die Decl. für den südlichen Stern.

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
1	+ 28° 24′ 0″.79	— 0″.156	+ 20″.054	— 0″.012		+ 0ˢ.034	+ 0ˢ.0001	— 0″.18	— 0″.009	
2	+ 58 27 36.74	— 0.190	+ 20.053	— 0.014	— 0″.17	+ 0.013	— 0.0032	+ 0.71	+ 0.013	
3	+ 14 29 18.55	— 0.013	+ 20.046	— 0.022		+ 0.015	— 0.0010	+ 0.40	+ 0.002	
4	— 9 31 1.92	— 0.032	+ 20.022	— 0.034		+ 0.003	— 0.0023	+ 0.24	+ 0.034	
5	+ 62 14 29.54	— 0.022	+ 19.926	— 0.064	— 0.22	+ 0.052	— 0.0000	— 0.42	— 0.033	
6	+ 53 12 31.03	— 0.012	+ 19.883	— 0.071	— 0.21	+ 0.005	— 0.0023	+ 0.82	+ 0.009	
7	+ 33 1 51.00	0.000	+ 19.880	— 0.070		+ 0.110	+ 0.0006	— 0.63	— 0.008	
8	+ 28 37 57.58	— 0.251	+ 19.860	— 0.073		+ 0.005	— 0.0020	— 0.26	— 0.017	
9	+ 30 10 35.92	— 0.077	+ 19.851	— 0.074		+ 0.076	+ 0.0002	+ 0.66	+ 0.019	
10	+ 55 51 5.17	— 0.038	+ 19.841	— 0.080	— 0.22	— 0.009	— 0.0020	+ 0.65	+ 0.018	
11	+ 23 35 12.29	— 0.072	+ 19.739	— 0.090		— 0.009	— 0.0027	— 0.08	+ 0.011	
12	+ 57 9 8.24	— 0.481	+ 19.726	— 0.099	— 0.23	+ 0.097	— 0.0019	+ 0.81	+ 0.004	7.8^m 6″
13	+ 60 2 21.38	— 0.015	+ 19.594	— 0.119	— 0.25	+ 0.006	— 0.0032	+ 0.73	+ 0.012	
14	+ 37 49 15.12	+ 0.049	+ 19.582	— 0.112		+ 0.241	+ 0.0094	+ 0.20	+ 0.009	
15	+ 7 12 59.98	+ 0.039	+ 19.449	— 0.119		+ 0.010	— 0.0022	+ 0.37	+ 0.009	
16	+ 34 57 26.12	— 0.084	+ 19.308	— 0.139		+ 0.003	— 0.0027	— 0.30	+ 0.010	
17	+ 29 25 31.53	— 0.012	+ 19.259	— 0.142		— 0.062	— 0.0047	+ 0.24	+ 0.023	
18	+ 26 36 22.74	— 0.003	+ 19.057	— 0.157		+ 0.016	— 0.0013	— 0.44	— 0.013	
19	+ 88 38 33.85	— 0.00°₁	+ 19.046	— 0.955	—18.60	+ 0.608	+ 0.0319	— 0.31	— 0.018	9^m 18″
20	+ 59 35 5.66	— 0.035	+ 18.914	— 0.194	— 0.30	— 0.034	— 0.0003	+ 0.61	+ 0.007	
21	— 8 49 44.86	— 0.196	+ 18.911	— 0.154		+ 0.026	— 0.0016	— 0.61	+ 0.013	
22	+ 14 42 2.21	— 0.003	+ 18.697	— 0.177		+ 0.062	+ 0.0001	— 0.28	— 0.011	
23	+ 47 59 38.47	— 0.111	+ 18.517	— 0.212	— 0.26	+ 0.093	— 0.0002	+ 0.35	+ 0.009	
24	+ 50 3 28.79	— 0.025	+ 18.326	— 0.228	— 0.27	— 0.057	— 0.0039	+ 0.56	+ 0.004	
25	+ 8 31 39.92	+ 0.054	+ 18.220	— 0.200		— 0.130	— 0.0030	+ 0.45	+ 0.019	
26	+ 63 3 11.70	— 0.020	+ 17.970	— 0.282	— 0.39	— 0.008	— 0.0010	+ 0.30	— 0.003	
27	+ 28 58 7.99	— 0.228	+ 17.949	— 0.229		+ 0.031	— 0.0004	— 0.12	— 0.007	
28	+ 18 40 47.69	— 0.086	+ 17.921	— 0.222		+ 0.057	— 0.0004	— 0.65	+ 0.002	*)
29	+ 2 34 10.45	+ 0.020	+ 17.905	— 0.211		+ 0.059	+ 0.0009	+ 0.99	+ 0.053	
30	+ 20 11 45.72	— 0.102	+ 17.879	— 0.225		+ 0.029	— 0.0010	— 0.18	— 0.005	
31	+ 71 48 53.59	+ 0.017	+ 17.674	— 0.352	— 0.60	+ 0.153	+ 0.0025	— 0.23	— 0.006	
32	+ 41 43 43.49	— 0.051	+ 17.530	— 0.266	— 0.25	+ 0.112	+ 0.0021	+ 0.12	+ 0.002	dpl. 5^m 10″
33	+ 22 52 13.10	— 0.134	+ 17.362	— 0.252		+ 0.022	— 0.0007	— 0.05	+ 0.005	
34	+ 34 23 41.50	— 0.033	+ 17.274	— 0.269		+ 0.073	+ 0.0010	+ 0.08	+ 0.003	
35	— 3 32 47.35	— 0.230	+ 16.770	— 0.249		+ 0.025	— 0.0014	— 0.45	+ 0.013	9^m folgt 8^s im Par.
36	+ 66 50 19.25	— 0.000	+ 16.488	— 0.410	— 0.52	+ 0.250	+ 0.0063	+ 0.80	+ 0.028	7^m 2″; 8^m 7″.5
37	+ 7 53 54.99	— 0.001	+ 16.351	— 0.276		+ 0.056	— 0.0003	+ 0.17	+ 0.008	
38	+ 72 16 9.88	+ 0.011	+ 16.111	— 0.490	— 0.73	+ 0.250	+ 0.0094	+ 0.36	+ 0.013	
39	— 0 12 43.36	— 0.007	+ 15.745	— 0.284		— 0.013	— 0.0018	— 0.19	+ 0.005	
40	+ 48 41 53.20	— 0.092	+ 15.603	— 0.376	— 0.30	+ 0.083	+ 0.0004	+ 0.40	+ 0.015	10^m 16″

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.
41	3.3	86 γ Ceti	383	1863	1865.3	$2^h\ 36^m\ 49^s.497$	$-0^s.0114$	$+3^s.1122$	$+0^s.0094$	
42	4.9	87 μ Ceti	387	1862	1868.5	2 38 11.175	+0.0164	+3.2160	+0.0125	
43	3.6	15 η Persei	—	1862.4	1868.6	2 41 35.472	+0.0023	+4.3271	+0.0676	$+0^s.013$
44	3.8	41 Arietis	395	1864	1869.8	2 42 37.774	+0.0032	+3.5112	+0.0228	
45	4.0	18 τ Persei	399	1864	1868.3	2 45 24.349	−0.0018	+4.2130	+0.0583	+0.008
46	3.0	3 η Eridani	413	1860	1868.7	2 50 19.306	+0.0037	+2.9225	+0.0052	
47	2.3	92 α Ceti	428	1860	1863.6	2 55 44.780	−0.0029	+3.1306	+0.0098	
48	3.0	23 γ Persei	422	1860	1865.3	2 55 45.238	−0.0015	+4.3040	+0.0593	+0.004
49	3.4 ... 4.2	25 ϱ Persei	429	1861	1868.0	2 57 10.296	+0.0103	+3.8110	+0.0331	
50	2.2 ... 3.7	26 β Persei	436	1862	1869.6	3 0 2.487	−0.0017	+3.8790	+0.0355	0.000
51	4.0	ι Persei	—	1860.2	1866.8	3 0 3.322	+0.1271	+4.1652	+0.0497	+0.001
52	2.0	33 α Persei	464	1862	1862.9	3 15 24.432	+0.0015	+4.2474	+0.0483	−0.005
53	3.6	1 o Tauri	477	1863	1864.8	3 18 5.290	−0.0052	+3.2258	+0.0115	
54	3.6	2 ξ Tauri	481	1862	1866.9	3 20 23.788	+0.0032	+3.2401	+0.0117	
55	4.0	5 f Tauri	486	1863	1869.0	3 23 58.416	−0.0002	+3.3027	+0.0129	
56	3.0	18 ε Eridani	493	1863	1868.0	3 27 2.512	−0.0675	+2.8894	+0.0055	
57	3.1	39 δ Persei	499	1863	1867.7	3 34 1.927	+0.0012	+4.2405	+0.0416	−0.011
58	4.0	o Persei	—	1862.9	1870.4	3 36 29.011	−0.0016	+3.7463	+0.0234	
59	4.0	41 ν Persei	506	1860	1870.5	3 36 42.464	−0.0015	+4.0545	+0.0336	−0.010
60	4.1	17 Tauri	509	1862	1869.5	3 37 27.315	−0.0001	+3.5496	+0.0179	
61	3.0	25 η Tauri	521	1863	1866.2	3 40 3.393	−0.0004	+3.5534	+0.0177	
62	4.0	27 Tauri	527	1862	1866.7	3 41 43.926	−0.0003	+3.5548	+0.0175	
63	3.0	44 ξ Persei	534	1862	1868.8	3 46 16.682	−0.0003	+3.7562	+0.0222	
64	3.3	45 ε Persei	539	1859	1868.4	3 49 28.204	+0.0004	+4.0052	+0.0289	−0.011
65	4.0	46 ξ Persei	542	1861	1872.3	3 50 51.487	−0.0006	+3.8763	+0.0247	
66	3.4 ... 4.2	35 λ Tauri	548	1862	1868.4	3 53 45.390	−0.0014	+3.3172	+0.0115	
67	4.0	38 ν Tauri	553	1859	1867.7	3 56 30.490	+0.0001	+3.1856	+0.0092	
68	6.4	Gr. 750	—	1862.9	1864.5	3 57 58.415	$+0.002^s_2$	+16.8537	+1.8108	−0.954
69	4.0	48 c Persei	557	1864	1862.4	3 59 35.556	+0.0009	+4.3290	+0.0366	−0.020
70	4.0	54 γ Tauri	583	1862	1863.1	4 12 40.879	+0.0073	+3.3992	+0.0115	
71	4.0	61 δ Tauri	594	1861	1866.0	4 15 43.654	+0.0066	+3.4451	+0.0121	
72	3.6	74 ε Tauri	609	1863	1866.4	4 21 19.149	+0.0070	+3.4882	+0.0121	
73	1	87 α Tauri	630	1861	1863.1	4 28 44.948	+0.0035	+3.4315	+0.0106	
74	3.3	48 ν Eridani	637	1862	1865.7	4 30 4.419	−0.0023	+2.9943	+0.0058	
75	3.6	57 μ Eridani	657	1862	1868.1	4 39 15.159	−0.0002	+2.9958	+0.0055	
76	4.3	9 Camelopardi	—	1862.2	1866.2	4 41 38.157	−0.0027	+5.9182	+0.0694	−0.112
77	4.3	3 π^4 Orionis	670	1858	1867.9	4 44 32.956	−0.0010	+3.1916	+0.0068	
78	4.0	8 π^5 Orionis	680	1858	1866.4	4 47 44.466	−0.0004	+3.1218	+0.0061	
79	3.0	3 ι Aurigae	677	1862	1865.7	4 48 51.328	+0.0006	+3.8979	+0.0144	
80	4.0	10 Camelopardi	681	1863	1867.1	4 52 18.377	+0.0000	+5.3107	+0.0420	−0.076

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
41	+ 2°42′ 27″.82	— 0″.156	+ 15″.540	— 0″.294		+ 0ˢ.006	— 0ˢ.0019	+ 0″.25	— 0″.010	$7^m\ 3''$
42	+ 9 35 6.19	— 0.020	+ 15.464	— 0.305		+ 0.024	— 0.0012	+ 0.21	+ 0.022	
43	+ 55 22 29.37	— 0.034	+ 15.273	— 0.415	— 0″.35	+ 0.021	+ 0.0001	— 0.62	— 0.033	$9^m\ 28''$
44	+ 26 44 37.80	— 0.119	+ 15.214	— 0.340		+ 0.062	+ 0.0007	+ 0.39	+ 0.006	
45	+ 52 14 56.89	— 0.009	+ 15.054	— 0.412	— 0.32	+ 0.110	+ 0.0007	+ 0.69	+ 0.012	
46	— 9 23 49.06	— 0.206	+ 14.767	— 0.295		+ 0.040	— 0.0006	— 0.11	+ 0.039	
47	+ 3 35 52.72	— 0.073	+ 14.441	— 0.323		+ 0.016	— 0.0011	+ 0.81	+ 0.036	
48	+ 53 0 54.25	— 0.002	+ 14.441	— 0.442	— 0.33	— 0.025	— 0.0032	+ 0.61	+ 0.016	
49	+ 38 21 15.21	— 0.088	+ 14.354	— 0.394		+ 0.015	+ 0.0006	— 0.23	+ 0.011	
50	+ 40 28 20.29	+ 0.010	+ 14.178	— 0.406	— 0.24	+ 0.054	0.0000	— 0.09	+ 0.007	
51	+ 49 8 1.61	— 0.033	+ 14.177	— 0.436	— 0.30	+ 0.058	— 0.0014	— 0.90	— 0.012	
52	+ 49 24 51.42	— 0.062	+ 13.196	— 0.472	— 0.29	— 0.016	— 0.0020	+ 0.73	+ 0.031	
53	+ 8 35 14.63	— 0.068	+ 13.018	— 0.363		+ 0.010	— 0.0004	+ 0.49	+ 0.019	
54	+ 9 17 42.77	— 0.049	+ 12.864	— 0.368		+ 0.186	+ 0.0076	+ 0.45	+ 0.016	
55	+ 12 30 24.00	+ 0.011	+ 12.622	— 0.380		— 0.018	— 0.0021	— 0.10	+ 0.029	
56	— 9 52 58.49	+ 0.011	+ 12.413	— 0.336		+ 0.027	— 0.0009	— 0.04	+ 0.034	
57	+ 47 23 8.54	— 0.037	+ 11.927	— 0.502	— 0.26	+ 0.079	+ 0.0013	+ 0.58	+ 0.021	
58	+ 31 53 25.19	— 0.010	+ 11.753	— 0.448		+ 0.085	+ 0.0018	— 0.58	+ 0.003	
59	+ 42 10 53.74	— 0.012	+ 11.738	— 0.484	— 0.23	+ 0.040	+ 0.0011	+ 0.94	+ 0.004	
60	+ 23 43 6.61	— 0.036	+ 11.684	— 0.426		+ 0.030	— 0.0000	+ 0.56	+ 0.011	
61	+ 23 43 0.57	— 0.040	+ 11.499	— 0.430		+ 0.039	— 0.0003	+ 0.24	+ 0.005	
62	+ 23 40 9.37	— 0.047	+ 11.378	— 0.432		+ 0.079	+ 0.0013	+ 0.14	+ 0.013	
63	+ 31 30 37.65	— 0.002	+ 11.048	— 0.462		+ 0.012	— 0.0009	+ 0.64	+ 0.026	$9.10^m\ 12''$
64	+ 39 38 47.53	— 0.020	+ 10.814	— 0.497	— 0.21	+ 0.156	+ 0.0033	+ 0.51	+ 0.001	$8.9^m\ 9''$
65	+ 35 25 46.49	— 0.013	+ 10.712	— 0.483		+ 0.053	+ 0.0013	+ 0.29	+ 0.006	
66	+ 12 8 7.15	— 0.009	+ 10.497	— 0.417		+ 0.000	— 0.0007	+ 0.29	+ 0.011	
67	+ 5 38 26.72	— 0.009	+ 10.291	— 0.403		+ 0.028	+ 0.0006	+ 0.23	+ 0.005	
68	+ 85 13 20.03	+ 0.015	+ 10.180	— 2.122	— 6.31	+ 0.320	+ 0.0090	— 0.33	— 0.023	
69	+ 47 22 35.01	— 0.033	+ 10.058	— 0.551	— 0.24	+ 0.061	— 0.0021	+ 0.49	+ 0.015	
70	+ 15 19 25.70	— 0.030	+ 9.051	— 0.446		+ 0.017	— 0.0004	— 0.55	— 0.015	
71	+ 17 14 50.66	— 0.025	+ 8.813	— 0.456		+ 0.032	+ 0.0011	+ 0.02	+ 0.002	
72	+ 18 54 4.13	— 0.028	+ 8.371	— 0.466		+ 0.011	— 0.0005	— 0.39	— 0.009	
73	+ 16 15 21.52	— 0.184	+ 7.775	— 0.465		— 0.006	— 0.0013	— 0.32	— 0.018	
74	— 3 36 35.14	+ 0.009	+ 7.669	— 0.407		+ 0.061	+ 0.0000	— 0.51	+ 0.025	
75	— 3 29 8.05	— 0.002	+ 6.920	— 0.413		— 0.082	— 0.0047	+ 0.32	+ 0.021	
76	+ 66 7 36.89	— 0.001	+ 6.724	— 0.816	— 0.35	+ 0.211	+ 0.0028	— 0.26	— 0.021	
77	+ 5 23 21.93	+ 0.002	+ 6.484	— 0.443		— 0.011	— 0.0015	— 0.55	+ 0.015	
78	+ 2 14 2.82	— 0.007	+ 6.219	— 0.435		+ 0.013	+ 0.0005	+ 1.80	— 0.004	
79	+ 32 57 57.10	— 0.003	+ 6.126	— 0.544		+ 0.034	+ 0.0009	— 0.03	+ 0.009	
80	+ 60 15 22.79	— 0.014	+ 5.838	— 0.743	— 0.23	— 0.024	— 0.0014	+ 0.18	— 0.006	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.
81	3.0 ... 4.5	7 ε Aurigae	690	1861	1867.0	$4^h\,53^m\,0^s.109$	$-0^s.0016$	$+4^s.2929$	$+0^s.0197$	$-0^s.028$
82	4.0	8 ζ Aurigae	693	1861	1865.9	4 53 44.596	+0.0001	+4.1819	+0.0177	−0.025
83	3.6	10 η Aurigae	700	1861	1866.7	4 57 45.095	+0.0022	+4.1943	+0.0169	−0.026
84	3.0	67 β Eridani	715	1861	1867.8	5 1 42.301	−0.0066	+2.9534	+0.0045	
85	4.0	69 λ Eridani	720	1860	1868.4	5 3 9.894	−0.0002	+2.8689	+0.0041	
86	1	13 α Aurigae	722	1862	1863.3	5 7 27.433	+0.0079	+4.4143	+0.0173	−0.034
87	1	19 β Orionis	736	1861	1864.2	5 8 31.856	−0.0012	+2.8810	+0.0040	
88	4.0	20 τ Orionis	742	1860	1865.6	5 11 32.221	−0.0031	+2.9122	+0.0040	
89	3.3	28 η Orionis med.	765	1859	1864.6	5 18 11.535	−0.0015	+3.0145	+0.0040	
90	2.0	112 β Tauri	756	1861	1864.1	5 18 23.460	+0.0013	+3.7862	+0.0097	
91	2.0	24 γ Orionis	761	1860	1865.1	5 18 25.610	−0.0019	+3.2159	+0.0048	
92	6.5	Gr. 966	—	1862.3	1866.8	5 23 1.313	+0.0004	+7.9820	+0.0760	−0.434
93	2.2 ... 2.7	34 δ Orionis	787	1863	1866.9	5 25 37.245	−0.0014	+3.0632	+0.0038	
94	5.1	41 ϑ^1 Orionis	802	1856	1868.6	5 29 8.065	−0.0027	+2.9453	+0.0033	
95	5.0	43 ϑ^2 Orionis	804	1860	1871.1	5 29 14.608	−0.0001	+2.9447	+0.0033	
96	3.1	44 ι Orionis	806	1860	1867.1	5 29 19.133	−0.0007	+2.9331	+0.0033	
97	2.0	46 ε Orionis	809	1863	1866.7	5 29 52.245	−0.0018	+3.0425	+0.0035	
98	3.3	123 ζ Tauri	800	1861	1866.9	5 30 10.491	−0.0006	+3.5828	+0.0053	
99	3.7	48 σ Orionis	814	1860	1872.2	5 32 28.261	−0.0016	+3.0103	+0.0033	
100	2.6	53 $\varkappa$ Orionis	844	1862	1867.5	5 41 49.686	−0.0017	+2.8440	+0.0027	
101	4.0	32 ν Aurigae	840	1862	1869.4	5 42 49.602	−0.0045	+4.1561	+0.0055	−0.027
102	1 ... 1.4	58 α Orionis	860	1861	1865.2	5 48 24.273	+0.0008	+3.2452	+0.0027	
103	2.0	34 β Aurigae	859	1862.4	1865.6	5 50 21.612	−0.006	+4.4048	+0.0042	−0.037
104	3.0	37 ϑ Aurigae	863	1862	1866.1	5 51 11.887	+0.0037	+4.0863	+0.0034	
105	3.2 ... 4.2	7 η Geminorum	909	1863	1864.9	6 7 19.943	−0.0050	+3.6269	+0.0007	
106	3.0	13 μ Geminorum	929	1862	1864.5	6 15 23.890	+0.0037	+3.6268	−0.0003	
107	2.3	24 γ Geminorum	969	1863	1866.1	6 30 29.435	+0.0023	+3.4649	−0.0014	
108	5.0 ... 5.5	15 S Monocerotis	981	1858	1864.9	6 34 5.638	−0.0003	+3.3056	−0.0010	
109	3.3	27 ε Geminorum	983	1860	1863.9	6 36 14.453	−0.0018	+3.6950	−0.0035	
110	3.6	31 ξ Geminorum	989	1861	1866.2	6 38 16.399	−0.0087	+3.3773	−0.0017	
111	5.1	Cephei 51 Hev.	—	1863.5	1865.8	6 41 15.359	-0.03^{72}_{97}	+30.3033	−2.0850	−38.097
112	3.3	34 ϑ Geminorum	1003	1863	1865.9	6 44 32.962	−0.0002	+3.9607	−0.0071	
113	3.7 ... 4.5	43 ζ Geminorum	1024	1863	1865.1	6 56 41.665	−0.0011	+3.5634	−0.0051	
114	3.8	54 λ Geminorum	1058	1862	1864.4	7 10 54.510	−0.0039	+3.4558	−0.0055	
115	3.3	55 δ Geminorum	1062	1863	1864.6	7 12 39.379	−0.0025	+3.5909	−0.0073	
116	6.0	Gr. 1308	—	1860.5	1864.4	7 17 51.331	+0.0027	+6.3083	−0.0829	−0.142
117	4.0	60 ι Geminorum	1072	1862	1866.3	7 17 57.680	−0.0097	+3.7436	−0.0101	
118	3.0	3 β Canis min.	1079	1862	1866.2	7 20 22.282	−0.0042	+3.2608	−0.0041	
119	2.3 u. 3.3	66 α Geminorum *)	1087	1862	1863.4	7 26 37.104	−0.0151	+3.8535	−0.0133	
120	1	10 α Canis min.**)	1106	1861	1863.9	7 32 45.468	−0.0474	+3.1915	−0.0041	

*) Dpl. 5″; die AR gilt für die Mitte, die Decl. für den folgenden, hellern Stern.

**) Der Ort gilt für den Mittelpunct der Bahn; Reduction auf den sichtbaren Stern s. S. 53.

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
81	+ 43° 38′ 9″.07	— 0″.014	+ 5″.780	— 0″.602	— 0″.13	+ 0^s.086	+ 0^s.0001	— 0″.06	— 0″.011	
82	+ 40 53 27.35	— 0.006	+ 5.717	— 0.587	— 0.12	+ 0.053	+ 0.0002	+ 0.14	+ 0.003	
83	+ 41 3 46.65	— 0.061	+ 5.380	— 0.592	— 0.11	+ 0.036	— 0.0006	— 0.51	— 0,008	
84	— 5 14 59.40	— 0.059	+ 5.046	— 0.419		+ 0.005	+ 0.0008	— 0.31	+ 0.004	
85	— 8 54 57.63	+ 0.001	+ 4.922	— 0.408		— 0.048	— 0.0025	+ 1.13	+ 0.031	
86	+ 45 52 5.38	— 0.424	+ 4.557	— 0.629	— 0.11	— 0.019	— 0.0015	+ 0.12	— 0.004	
87	— 8 20 52.36	+ 0.005	+ 4.466	— 0.411		— 0.020	— 0.0019	+ 0.58	+ 0.019	8^m 9″
88	— 6 58 52.87	+ 0.002	+ 4.209	— 0.417		— 0.069	— 0.0050	— 0.04	+ 0.026	
89	— 2 30 50.54	+ 0.010	+ 3.638	— 0.434		+ 0.028	0.0000	+ 0.49	+ 0.044	4^m und 5^m, 1″
90	+ 28 29 58.47	— 0.180	+ 3.621	— 0.545		+ 0.000	— 0.0015	+ 1.12	+ 0.014	
91	+ 6 14 4.08	— 0.015	+ 3.618	— 0.463		— 0.030	— 0.0023	+ 0.19	+ 0.005	
92	+ 74 57 22.36	— 0.024	+ 3.222	— 1.146	— 0.35	— 0.009	— 0.0030	— 0.04	— 0.043	
93	— 0 23 37.01	— 0.005	+ 2.997	— 0.444		— 0.077	— 0.0053	+ 0.71	+ 0.035	
94	— 5 28 26.39	+ 0.035	+ 2.693	— 0.427		— 0.049	— 0.0035	— 1.73	+ 0.003	der 3tte (südlichste) im Trapez
95	— 5 30 0.50	+ 0.014	+ 2.683	— 0.427		— 0.005	— 0.0006	+ 0.95	+ 0.007	6^m 53″
96	— 5 59 37.57	+ 0.007	+ 2.677	— 0.425		— 0.031	— 0.0015	— 0.01	+ 0.020	7.8^m 11″
97	— 1 17 1.04	+ 0.006	+ 2.629	— 0.441		— 0.046	— 0.0037	+ 0.53	+ 0.016	
98	+ 21 3 50.77	— 0.024	+ 2.602	— 0.519		— 0.054	— 0.0025	+ 0.32	— 0.002	
99	— 2 40 26.91	+ 0.002	+ 2.403	— 0.437		+ 0.012	— 0.0004	— 0.20	+ 0.020	der hellste eines vielfachen Systems
100	— 9 42 56.87	+ 0.004	+ 1.588	— 0.414		— 0.001	— 0.0022	+ 0.22	+ 0.019	
101	+ 39 6 33.21	+ 0.031	+ 1.501	— 0.605	— 0.03	+ 0.064	— 0.0024	— 1.86	— 0.015	
102	+ 7 22 54.30	+ 0.024	+ 1.014	— 0.473		— 0.017	— 0.0019	+ 0.81	+ 0.024	
103	+ 44 55 55.41	— 0.011	+ 0.843	— 0.642	— 0.02	— 0.046	— 0.0030	+ 0.53	— 0.002	
104	+ 37 12 5.05	— 0.078	+ 0.770	— 0.598		+ 0.025	— 0.0010	+ 0.39	+ 0.031	
105	+ 22 32 27.13	— 0.003	— 0.641	— 0.528		+ 0.007	— 0.0005	+ 0.23	— 0.002	
106	+ 22 34 32.11	— 0.101	— 1.346	— 0.527		— 0.019	— 0.0023	+ 0.31	+ 0.013	
107	+ 16 30 13.86	— 0.035	— 2.660	— 0.500		+ 0.015	+ 0.0002	+ 0.37	+ 0.014	
108	+ 10 0 33.55	0.000	— 2.972	— 0.475		— 0.029	— 0.0014	+ 0.24	+ 0.018	9^m 3″
109	+ 25 15 9.64	— 0.005	— 3.158	— 0.531		+ 0.006	— 0.0022	+ 0.07	— 0.005	
110	+ 13 1 41.93	— 0.195	— 3.333	— 0.484		+ 0.015	— 0.0007	+ 0.19	+ 0.016	
111	+ 87 14 4.63	— 0.05$\frac{3}{1}$	— 3.591	— 4.345	+ 7.95	— 0.269	+ 0.0003	+ 1.21	+ 0.028	
112	+ 34 6 34.78	— 0.032	— 3.874	— 0.565		+ 0.077	+ 0.0003	+ 0.16	— 0.002	
113	+ 20 45 5.80	+ 0.001	— 4.911	— 0.502		+ 0.006	— 0.0009	+ 0.24	+ 0.002	
114	+ 16 45 50.14	— 0.026	— 6.106	— 0.478		— 0.008	— 0.0008	+ 0.24	+ 0.012	10.11^m 10″
115	+ 22 12 37.70	+ 0.003	— 6.252	— 0.495		— 0.014	— 0.0023	+ 0.19	+ 0.011	8^m 7″
116	+ 68 43 2.79	— 0.074	— 6.682	— 0.865	+ 0.44	+ 0.085	+ 0.0041	+ 0.55	— 0.005	
117	+ 28 2 39.80	— 0.075	— 6.691	— 0.512		— 0.031	— 0.0027	— 0.30	+ 0.012	
118	+ 8 32 21.84	— 0.030	— 6.890	— 0.444		+ 0.003	— 0.0017	+ 0.32	+ 0.021	
119	+ 32 9 37.31	— 0.079	— 7.400	— 0.520		+ 0.022	— 0.0002	— 0.30	— 0.003	*)
120	+ 5 32 37.37	— 1.027	— 7.897	— 0.424		— 0.015	— 0.0003	+ 0.74	+ 0.020	**)

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.
121	3.6	77 $\varkappa$ Geminorum	1111	1861	1864.9	$7^h\ 36^m\ 53^s.964$	$-0^s.0034$	$+3^s.6329$	$-0^s.0109$	
122	1.3	78 β Geminorum	1112	1861	1864.1	7 37 39.889	— 0.0481	+ 3.7284	— 0.0128	
123	3.6	17 β Cancri	1180	1863	1864.8	8 9 44.113	— 0.0044	+ 3.2625	— 0.0071	
124	3.6	Br. 1197	1197	1858	1866.1	8 19 24.829	— 0.0058	+ 3.0051	— 0.0032	
125	3.3	1 0 Ursae maj.	1186	1863	1866.2	8 19 51.790	— 0.0193	+ 5.0597	— 0.0763	$-0^s.022$
126	4.0	47 δ Cancri	1236	1862	1863.6	8 37 34.763	— 0.0026	+ 3.4202	— 0.0125	
127	4.1	48 ι Cancri	1239	1860	1863.9	8 39 7.793	— 0.0016	+ 3.6468	— 0.0194	
128	3.3	11 ε Hydrae	1243	1862	1864.4	8 40 9.320	— 0.0135	+ 3.1957	— 0.0071	
129	3.3	16 ζ Hydrae	1261	1858	1863.0	8 48 47.113	— 0.0073	+ 3.1837	— 0.0070	
130	3.0	9 ι Ursae maj.	1260	1862	1863.8	8 50 38.476	— 0.0441	+ 4.1847	— 0.0445	— 0.001
131	4.0	65 α Cancri	1269	1862	1866.5	8 51 38.946	+ 0.0010	+ 3.2865	— 0.0097	
132	4.0	10 Ursae maj.	1268	1859	1868.7	8 52 31.157	— 0.0401	+ 3.9593	— 0.0343	— 0.001
133	3.3	12 $\varkappa$ Ursae maj.	1272	1858	1861.5	8 55 5.014	— 0.0037	+ 4.1313	— 0.0434	0.000
134	4.0	22 ϑ Hydrae	1303	1860	1863.0	9 7 51.602	+ 0.0078	+ 3.1175	— 0.0057	
135	4.1	38 Lyncis	1305	1862	1866.5	9 11 3.635	— 0.0030	+ 3.7576	— 0.0292	
136	3.3	40 Lyncis	1312	1862	1868.6	9 13 26.117	— 0.0202	+ 3.6925	— 0.0267	
137	4.3	Draconis 1 Hev.	—	1861.3	1865.2	9 19 5.740	$-0.017\frac{5}{3}$	+ 9.1205	— 0.7960	+ 1.356
138	2.0	30 α Hydrae	1330	1860	1862.8	9 21 26.688	— 0.0019	+ 2.9506	— 0.0014	
139	3.3	23 h Ursae maj.	1323	1861	1864.4	9 21 39.154	+ 0.0138	+ 4.7890	— 0.1034	+ 0.039
140	3.0	25 ϑ Ursae maj.	1332	1862	1864.8	9 24 29.207	— 0.1041	+ 4.1559	— 0.0561	+ 0.013
141	3.6	14 o Leonis	1360	1862	1864.5	9 34 28.685	— 0.0104	+ 3.2186	— 0.0092	
142	3.0	17 ε Leonis	1368	1863	1865.4	9 38 45.191	— 0.0043	+ 3.4220	— 0.0179	
143	3.6	29 υ Ursae maj.	1371	1862	1865.7	9 42 5.130	— 0.0391	+ 4.3635	— 0.0820	+ 0.037
144	4.0	24 μ Leonis	1384	1862	1864.6	9 45 39.088	— 0.0185	+ 3.4425	— 0.0197	
145	3.3	30 η Leonis	1403	1862	1863.4	10 0 30.996	+ 0.0013	+ 3.2805	— 0.0130	
146	1.3	32 α Leonis	1406	1861	1863.8	10 1 42.800	— 0.0182	+ 3.2194	— 0.0101	
147	3.3	33 λ Ursae maj.	1421	1862	1865.7	10 9 33.083	— 0.0165	+ 3.6611	— 0.0385	+ 0.017
148	3.0	36 ζ Leonis	1425	1859	1865.1	10 9 44.112	— 0.0000	+ 3.3482	— 0.0175	
149	3.0	34 μ Ursae maj.	1434	1862	1866.1	10 14 52.564	— 0.0083	+ 3.6076	— 0.0362	+ 0.016
150	4.6	Draconis 9 Hev.	1446	1863	1864.7	10 24 24.795	— 0.0151	+ 5.3032	— 0.2798	+ 0.451
151	4.0	47 ϱ Leonis	1467	1862	1865.3	10 26 13.702	— 0.0012	+ 3.1655	— 0.0080	
152	4.0	46 Leonis min.	1509	1860	1864.4	10 46 19.000	+ 0.0053	+ 3.3668	— 0.0257	
153	2.3	48 β Ursae maj.	1523	1863	1865.3	10 54 17.182	+ 0.0086	+ 3.6556	— 0.0628	+ 0.049
154	2.0	50 α Ursae maj.	1528	1863	1863.5	10 55 59.878	— 0.0180	+ 3.7779	— 0.0821	+ 0.076
155	3.1	52 ψ Ursae maj.	1542	1863	1865.6	11 2 37.773	— 0.0070	+ 3.4057	— 0.0368	+ 0.025
156	2.3	68 δ Leonis	1546	1863	1865.1	11 7 27.513	+ 0.0102	+ 3.1901	— 0.0132	
157	3.3	70 ϑ Leonis	1548	1859	1863.6	11 7 40.753	— 0.0059	+ 3.1597	— 0.0099	
158	3.8	53 ξ Ursae maj. md.	1553	1861	1864.6	11 11 30.665	— 0.0367	+ 3.2493	— 0.0214	
159	3.3	54 ν Ursae maj.	1554	1860	1865.6	11 11 43.475	+ 0.0005	+ 3.2592	— 0.0228	
160	4.1	77 σ Leonis	1558	1862	1864.4	11 14 41.433	— 0.0071	+ 3.1032	— 0.0041	

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
121	+ 24° 41′ 44″.74	— 0″.055	— 8″.229	— 0″.480		— 0ˢ.128	— 0ˢ.0072	— 0″.48	— 0″.027	9^m 6″
122	+ 28 19 34.20	— 0.051	— 8.290	— 0.492		+ 0.009	— 0.0008	+ 0.40	+ 0.008	
123	+ 9 34 8.88	— 0.041	— 10.756	— 0.397		+ 0.002	— 0.0010	+ 0.19	+ 0.005	
124	— 3 30 0.52	+ 0.007	— 11.461	— 0.355		— 0.009	— 0.0019	+ 0.44	+ 0.031	
125	+ 61 8 1.19	— 0.112	— 11.493	— 0.600	+ 0″.42	+ 0.024	— 0.0025	+ 1.49	+ 0.030	
126	+ 18 36 44.13	— 0.226	— 12.728	— 0.380		— 0.005	— 0.0019	+ 0.63	+ 0.013	
127	+ 29 12 56.06	— 0.033	— 12.832	— 0.403		+ 0.035	+ 0.0003	+ 1.35	+ 0.052	6.7^m 30″
128	+ 6 52 33.47	— 0.023	— 12.901	— 0.351		— 0.013	— 0.0020	— 0.21	— 0.001	8^m 3″
129	+ 6 25 11.71	+ 0.019	— 13.470	— 0.338		— 0.029	— 0.0017	+ 0.79	+ 0.025	
130	+ 48 31 50.90	— 0.247	— 13.590	— 0.443	+ 0.30	+ 0.049	+ 0.0023	+ 0.85	+ 0.023	11^m 11″
131	+ 12 20 24.72	— 0.022	— 13.655	— 0.345		+ 0.036	+ 0.0040	— 0.12	— 0.004	
132	+ 42 16 33.75	— 0.259	— 13.710	— 0.415	+ 0.25	+ 0.098	+ 0.0016	+ 0.24	+ 0.015	
133	+ 47 38 56.96	— 0.068	— 13.873	— 0.429	+ 0.29	+ 0.170	+ 0.0043	+ 1.23	+ 0.031	
134	+ 2 50 25.40	— 0.309	— 14.659	— 0.304		— 0.002	— 0.0011	+ 0.45	+ 0.012	
135	+ 37 19 48.29	— 0.114	— 14.848	— 0.362		+ 0.108	+ 0.0019	— 0.91	— 0.026	7^m 3″
136	+ 34 55 10.84	+ 0.027	— 14.987	— 0.352		+ 0.068	+ 0.0010	+ 0.33	+ 0.031	
137	+ 81 52 32.89	— 0.020	— 15.311	— 0.852	+ 2.39	+ 0.327	+ 0.0067	— 1.12	— 0.014	
138	— 8 7 4.45	+ 0.052	— 15.443	— 0.268		+ 0.013	— 0.0005	+ 0.18	+ 0.013	
139	+ 63 36 24.15	+ 0.026	— 15.455	— 0.439	+ 0.48	+ 0.159	+ 0.0018	+ 0.33	— 0.012	9^m 23″
140	+ 52 14 44.21	— 0.564	— 15.612	— 0.374	+ 0.33	+ 0.164	+ 0.0031	+ 1.02	+ 0.017	
141	+ 10 27 35.55	— 0.018	— 16.146	— 0.271		+ 0.034	+ 0.0005	+ 0.26	+ 0.016	
142	+ 24 20 55.38	— 0.008	— 16.365	— 0.281		+ 0.029	+ 0.0002	+ 0.49	+ 0.015	
143	+ 59 37 31.59	— 0.149	— 16.532	— 0.353	+ 0.40	+ 0.041	— 0.0020	+ 1.95	+ 0.049	12^m 11″
144	+ 26 35 40.45	— 0.045	— 16.706	— 0.271		+ 0.079	+ 0.0010	+ 0.04	+ 0.009	
145	+ 17 22 16.51	+ 0.002	— 17.390	— 0.231		+ 0.083	+ 0.0031	+ 0.06	— 0.004	
146	+ 12 34 38.07	+ 0.018	— 17.442	— 0.224		+ 0.015	— 0.0004	+ 0.16	— 0.001	
147	+ 43 32 15.40	— 0.058	— 17.770	— 0.240	+ 0.26	+ 0.082	+ 0.0013	+ 1.04	+ 0.029	
148	+ 24 2 21.83	+ 0.017	— 17.778	— 0.218		+ 0.048	— 0.0000	— 0.37	+ 0.003	
149	+ 42 7 38.18	+ 0.034	— 17.981	— 0.225	+ 0.25	+ 0.038	— 0.0001	+ 0.49	+ 0.028	
150	+ 76 21 20.91	— 0.005	— 18.335	— 0.305	+ 0.74	— 0.149	+ 0.0002	+ 0.73	+ 0.028	$\Delta\mu$ + 0ˢ.0004 + 0″.001
151	+ 9 56 56.90	+ 0.011	— 18.399	— 0.176		+ 0.089	+ 0.0024	+ 0.51	+ 0.020	
152	+ 34 53 17.77	— 0.246	— 19.027	— 0.147		+ 0.075	+ 0.0014	— 0.70	0.000	
153	+ 57 3 7.09	+ 0.041	— 19.233	— 0.142	+ 0.27	+ 0.027	— 0.0005	+ 1.16	+ 0.039	
154	+ 62 25 31.41	— 0.071	— 19.277	— 0.144	+ 0.30	+ 0.040	+ 0.0004	+ 1.04	+ 0.016	
155	+ 45 10 34.54	— 0.036	— 19.429	— 0.115	+ 0.22	+ 0.089	+ 0.0022	+ 1.12	+ 0.044	
156	+ 21 12 29.62	— 0.115	— 19.530	— 0.097		+ 0.042	— 0.0016	+ 0.69	+ 0.035	
157	+ 16 6 44.88	— 0.063	— 19.534	— 0.096		— 0.007	— 0.0025	— 0.14	— 0.001	
158	+ 32 13 55.48	— 0.573	— 19.607	— 0.091		+ 0.133	— 0.0003	— 0.31	+ 0.011	eng. dpl. $4^m.1$ u. $5^m.0$
159	+ 33 46 33.60	+ 0.052	— 19.611	— 0.091		+ 0.054	+ 0.0022	+ 0.05	+ 0.027	10^m 7″
160	+ 6 42 50.46	0.000	— 19.664	— 0.080		+ 0.032	— 0.0001	+ 0.10	+ 0.008	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.
161	4.0	78 ι Leonis	1560	1859	1862.9	$11^h\ 17^m 24^s.414$	$+ 0^s.0085$	$+ 3^s.1212$	$- 0^s.0065$	
162	3.3	1 λ Draconis	1572	1863	1864.1	11 23 57.724	— 0.0074	+ 3.6481	— 0.1119	$+ 0^s.154$
163	3.8	63 χ Ursae maj.	1600	1864	1865.1	11 39 26.610	— 0.0145	+ 3.2075	— 0.0359	+ 0.029
164	2.0	94 β Leonis	1605	1861	1864.1	11 42 40.958	— 0.0356	+ 3.0998	— 0.0074	
165	3.3	5 β Virginis	1606	1863	1864.5	11 44 11.025	+ 0.0481	+ 3.0762	— 0.0003	
166	2.3	64 γ Ursae maj.	1608	1862	1863.8	11 47 14.852	+ 0.0098	+ 3.1761	— 0.0433	+ 0.040
167	4.0	9 o Virginis	1623	1863	1865.4	11 58 50.497	— 0.0159	+ 3.0733	— 0.0032	
168	4.6	Drac. 4 Hev.	1634	1863	1865.4	12 6 19.091	+ 0.0013	+ 2.8941	— 0.1252	+ 0.309
169	3.4	69 δ Ursae maj.	1637	1862	1863.9	12 9 13.901	+ 0.0135	+ 2.9870	— 0.0422	+ 0.044
170	3.3	15 η Virginis	1647	1862	1863.7	12 13 30.663	— 0.0056	+ 3.0722	+ 0.0027	
171	3.3	5 $\varkappa$ Draconis	1689	1862	1864.2	12 28 8.179	— 0.0160	+ 2.6105	— 0.0548	+ 0.088
172	3.3 u. 3.3	29 γ Virginis med.	1698/9	1863	1864.8	12 35 19.626	— 0.0385	+ 3.0750	+ 0.0043	
173	2.0	77 ε Ursae maj.	1722	1864	1864.4	12 48 31.471	+ 0.0121	+ 2.6455	— 0.0273	+ 0.031
174	3.0	43 δ Virginis	1723	1862	1863.8	12 49 18.432	— 0.0336	+ 3.0519	+ 0.0026	
175	2.9	12 Can. ven. seq.	1725	1863	1864.8	12 50 10.709	— 0.0220	+ 2.8372	— 0.0152	
176	2.6	47 ε Virginis	1735	1863	1865.9	12 55 57.275	— 0.0192	+ 3.0057	— 0.0007	
177	4.1	43 Comae Beren.	1755	1861	1863.2	13 6 2.356	— 0.0605	+ 2.8659	— 0.0079	
178	2.1	79 ξ Ursae maj. pr.	1776	1862	1866.3	13 18 53.357	+ 0.0134	+ 2.4138	— 0.0171	+ 0.021
179	3.3	79 ξ Virginis	1789	1862	1864.7	13 28 19.476	— 0.0205	+ 3.0719	+ 0.0064	
180	4.6	4 τ Bootis	1810	1863	1868.4	13 41 19.338	— 0.0346	+ 2.8857	— 0.0007	
181	2.0	85 η Ursae maj.	1815	1862	1863.3	13 42 36.826	— 0.0115	+ 2.3840	— 0.0104	+ 0.014
182	3.0	8 η Bootis	1821	1863	1864.9	13 48 43.982	— 0.0049	+ 2.8616	— 0.0006	
183	4.0	93 τ Virginis	1829	1862	1865.3	13 55 17.147	— 0.0005	+ 3.0480	+ 0.0064	
184	3.3	11 α Draconis	1836	1864	1866.8	14 1 0.353	— 0.0092	+ 1.6295	+ 0.0048	0.000
185	4.3	98 $\varkappa$ Virginis	1842	1862	1868.8	14 6 13.787	— 0.0004	+ 3.1917	+ 0.0123	
186	4.0	99 ι Virginis	1846	1861	1865.5	14 9 27.662	— 0.0031	+ 3.1399	+ 0.0102	
187	1	16 α Bootis	1847	1861	1863.2	14 9 57.629	— 0.0799	+ 2.8132	+ 0.0003	
188	4.0	19 λ Bootis	1852	1862	1865.9	14 11 37.872	— 0.0199	+ 2.3024	— 0.0051	+ 0.009
189	4.3	21 ι Bootis	1854	1861	1869.8	14 11 44.332	— 0.0165	+ 2.1438	— 0.0045	+ 0.009
190	3.8	23 ϑ Bootis	1867	1864	1866.6	14 20 56.487	— 0.0275	+ 2.0696	— 0.0026	+ 0.007
191	5.0	105 φ Virginis	1865	1860	1870.0	14 21 45.781	— 0.0102	+ 3.0948	+ 0.0087	
192	3.6	25 ϱ Bootis	1869	1862	1866.1	14 26 26.575	— 0.0085	+ 2.5946	— 0.0016	
193	2.9	27 γ Bootis	1871	1861	1861.0	14 27 2.661	— 0.0108	+ 2.4276	— 0.0028	
194	4.3	29 π Bootis pr.	1875	1861	1864.3	14 34 51.122	— 0.0012	+ 2.8173	+ 0.0025	
195	3.3	30 ζ Bootis med.	1876	1860	1866.7	14 35 10.798	+ 0.0019	+ 2.8593	+ 0.0032	
196	4.0	107 μ Virginis	1880	1860	1871.0	14 36 28.450	+ 0.0056	+ 3.1477	+ 0.0104	
197	3.6	109 Virginis	1889	1859	1866.3	14 39 55.817	— 0.0094	+ 3.0359	+ 0.0074	
198	2.0	7 β Ursae min.	1917	1863	1863.4	14 51 5.421	— 0.0077	— 0.2389	+ 0.1022	— 0.130
199	3.0	42 β Bootis	1918	1863	1865.9	14 57 14.274	— 0.0048	+ 2.2635	— 0.0000	+ 0.005
200	2.0	27 β Librae	1934	1862	1865.5	15 10 16.941	— 0.0079	+ 3.2271	+ 0.0118	

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E.B.	Praec.	Saec.Var.	3.Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
161	+ 11° 13′ 3″.09	— 0″.063	— 19″.709	— 0″.075		— 0ˢ.025	— 0ˢ.0027	+ 0″.37	+ 0″.013	$7^m\,3''$
162	+ 70 1 14.85	— 0.027	— 19.808	— 0.075	+ 0″.28	+ 0.134	+ 0.0036	+ 0.78	+ 0.006	
163	+ 48 28 20.69	+ 0.028	— 19.974	— 0.049	+ 0.19	+ 0.018	— 0.0033	+ 0.86	+ 0.032	
164	+ 15 16 14.50	— 0.098	— 19.997	— 0.025		+ 0.016	— 0.0011	+ 0.02	+ 0.002	
165	+ 2 28 8.42	— 0.262	— 20.007	— 0.022		+ 0.042	— 0.0004	+ 0.36	+ 0.006	
166	+ 54 23 22.98	+ 0.008	— 20.023	— 0.017	+ 0.18	— 0.024	— 0.0018	+ 0.52	+ 0.010	
167	+ 9 25 38.21	+ 0.049	— 20.055	+ 0.006		+ 0.018	— 0.0021	+ 0.28	+ 0.012	
168	+ 78 18 39.70	+ 0.025	— 20.047	+ 0.020	+ 0.14	— 0.093	— 0.0073	+ 0.38	+ 0.012	$\Delta\mu$ — 0ˢ.0001
169	+ 57 43 38.15	+ 0.002	— 20.038	+ 0.026	+ 0.15	— 0.122	— 0.0041	+ 1.13	+ 0.025	
170	+ 0 1 40.52	— 0.022	— 20.020	+ 0.035		+ 0.036	— 0.0012	— 0.21	— 0.002	
171	+ 70 28 39.02	— 0.002	— 19.903	+ 0.055	+ 0.10	+ 0.036	— 0.0009	+ 0.83	+ 0.013	
172	— 0 45 49.04	+ 0.015	— 19.817	+ 0.077		+ 0.009	— 0.0017	+ 0.65	— 0.013	*)
173	+ 56 38 18.77	— 0.030	— 19.607	+ 0.090	+ 0.11	— 0.009	— 0.0031	+ 0.83	+ 0.012	
174	+ 4 4 37.76	— 0.047	— 19.592	+ 0.104		— 0.008	— 0.0018	+ 0.47	+ 0.025	
175	+ 38 59 37.85	+ 0.066	— 19.576	+ 0.098		+ 0.064	— 0.0006	+ 0.26	+ 0.018	$6^m\,20''$
176	+ 11 37 53.04	+ 0.029	— 19.460	+ 0.114		+ 0.041	— 0.0008	— 0.06	+ 0.003	
177	+ 28 30 43.98	+ 0.897	— 19.228	+ 0.128		+ 0.013	— 0.0018	— 0.63	+ 0.001	
178	+ 55 34 43.20	— 0.022	— 18.878	+ 0.127	+ 0.08	— 0.042	— 0.0047	+ 1.32	+ 0.032	$4^m\,14''$
179	+ 0 2 38.00	+ 0.056	— 18.583	+ 0.176		+ 0.010	— 0.0012	+ 0.04	+ 0.004	
180	+ 18 4 49.82	+ 0.040	— 18.126	+ 0.188		— 0.026	— 0.0024	— 0.14	— 0.003	$12^m\,10''$
181	+ 49 56 16.01	— 0.014	— 18.078	+ 0.158	+ 0.08	+ 0.001	— 0.0000	+ 0.31	+ 0.004	
182	+ 19 1 30.42	— 0.344	— 17.839	+ 0.198		+ 0.027	— 0.0003	+ 0.17	+ 0.020	
183	+ 2 9 0.61	— 0.033	— 17.570	+ 0.222		+ 0.019	— 0.0013	+ 0.49	+ 0.029	
184	+ 64 58 25.76	+ 0.016	— 17.323	+ 0.125	+ 0.04	+ 0.004	— 0.0028	+ 0.70	+ 0.012	
185	— 9 41 27.28	+ 0.141	— 17.089	+ 0.251		— 0.004	— 0.0017	— 0.18	— 0.001	
186	— 5 24 11.46	— 0.417	— 16.939	+ 0.252		+ 0.106	+ 0.0005	+ 0.67	+ 0.024	
187	+ 19 50 2.60	— 1.977	— 16.916	+ 0.228		+ 0.034	— 0.0005	— 0.47	— 0.010	
188	+ 46 39 46.93	+ 0.151	— 16.837	+ 0.190	+ 0.07	— 0.008	— 0.0030	+ 1.80	+ 0.034	
189	+ 51 56 40.14	+ 0.085	— 16.831	+ 0.177	+ 0.06	— 0.002	— 0.0006	+ 0.73	+ 0.015	$7.8^m\,38''$
190	+ 52 25 45.23	— 0.396	— 16.380	+ 0.181	+ 0.06	+ 0.012	— 0.0014	+ 0.93	+ 0.028	
191	— 1 39 59.75	— 0.002	— 16.338	+ 0.269		— 0.050	— 0.0045	+ 0.44	+ 0.016	$10^m\,4''$
192	+ 30 55 15.58	+ 0.125	— 16.098	+ 0.233		+ 0.015	— 0.0019	— 0.79	— 0.029	
193	+ 38 51 20.96	+ 0.153	— 16.066	+ 0.219		— 0.080	— 0.0058	+ 0.30	+ 0.010	
194	+ 16 57 18.52	— 0.020	— 15.648	+ 0.264		+ 0.038	— 0.0021	+ 0.08	— 0.017	$5.6^m\,6''$
195	+ 14 15 56.04	— 0.010	— 15.630	+ 0.268		+ 0.009	— 0.0019	+ 0.23	+ 0.001	dpl. 1″, $3^m.8$ u. $4^m.2$
196	— 5 6 49.09	— 0.305	— 15.559	+ 0.296		+ 0.008	— 0.0026	— 0.60	+ 0.028	
197	+ 2 25 14.80	— 0.027	— 15.366	+ 0.292		+ 0.002	— 0.0028	+ 0.10	— 0.007	
198	+ 74 39 58.90	— 0.005	— 14.721	— 0.017	+ 0.17	+ 0.100	— 0.0016	+ 1.04	+ 0.036	
199	+ 40 53 4.40	— 0.036	— 14.350	+ 0.237	+ 0.06	+ 0.032	— 0.0019	+ 0.70	+ 0.025	
200	— 8 55 13.17	— 0.017	— 13.530	+ 0.353		+ 0.018	— 0.0015	— 0.12	+ 0.002	

*) Vgl. die Bemerkung über die Correction des vorläufigen Catalogs S. 53.

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec.Var.	3. Gl.
201	3.0	49 δ Bootis	1936	1861	1865.5	$15^h\ 10^m\ 27^s.823$	$+ 0^s.0069$	$+ 2^s.4116$	$+ 0^s.0010$	
202	3.8	51 μ Bootis	1950	1859	1863.4	15 19 46.094	— 0.0147	+ 2.2780	+ 0.0014	
203	3.0	13 γ Ursae min.	1962	1863.8	1867.0	15 20 56.560	+ 0.004	— 0.1438	+ 0.0751	$-0^s.071$
204	3.0	12 ι Draconis	1957	1861.3	1865.5	15 22 9.047	— 0.002	+ 1.3266	+ 0.0134	— 0.008
205	3.8	3 β Coronae bor.	1955	1859	1865.6	15 22 40.557	— 0.0134	+ 2.4862	+ 0.0019	
206	4.5	52 ν^1 Bootis	1965	1860	1866.3	15 26 26.407	+ 0.0005	+ 2.1529	+ 0.0021	+ 0.003
207	4.8	53 ν^2 Bootis	1967	1860	1867.8	15 27 18.526	— 0.0034	+ 2.1481	+ 0.0021	+ 0.003
208	4.0	4 ϑ Coronae bor.	1968	1859	1866.2	15 27 53.337	— 0.0055	+ 2.4197	+ 0.0019	
209	2.0	5 α Coronae bor.	1973	1861	1864.0	15 29 23.759	+ 0.0085	+ 2.5297	+ 0.0024	
210	4.3	7 ζ Cor. bor. seq.	1983[a]	1860.8	1864.8	15 34 40.249	— 0.0036	+ 2.2595	+ 0.0022	
211	3.8	8 γ Coronae bor.	1991	1860	1863.8	15 37 29.640	— 0.0082	+ 2.5259	+ 0.0026	
212	2.3	24 α Serpentis	1990	1860	1863.4	15 38 6.711	+ 0.0079	+ 2.9420	+ 0.0062	
213	3.3	28 β Serpentis	1996	1862	1867.8	15 40 25.135	+ 0.0029	+ 2.7617	+ 0.0043	
214	3.3	32 μ Serpentis	2001	1859	1868.9	15 43 5.874	— 0.0078	+ 3.1311	+ 0.0088	
215	4.0	35 $\varkappa$ Serpentis	2002	1862	1868.8	15 43 6.837	— 0.0039	+ 2.7017	+ 0.0038	
216	3.3	37 ε Serpentis	2005	1862	1864.6	15 44 35.143	+ 0.0068	+ 2.9779	+ 0.0066	
217	4.3	16 ζ Ursae min.	2041	1862.7	1866.9	15 48 33.786	+ 0.003	— 2.2932	+ 0.2031	— 0.173
218	3.6	41 γ Serpentis	2023	1862	1865.0	15 50 40.807	+ 0.0194	+ 2.7467	+ 0.0043	
219	4.0	13 ε Coronae bor.	2029	1860	1867.5	15 52 24.780	— 0.0074	+ 2.4879	+ 0.0029	
220	3.6	13 ϑ Draconis	2053	1863.3	1867.2	15 59 33.021	— 0.037	+ 1.1551	+ 0.0145	— 0.007
221	4.0	11 φ Herculis	2061	1859.5	1864.3	16 4 49.828	— 0.010	+ 1.8898	+ 0.0046	0.000
222	3.0	1 δ Ophiuchi	2065	1862	1866.0	16 7 47.770	— 0.0049	+ 3.1417	+ 0.0081	
223	3.3	2 ε Ophiuchi	2073	1861	1865.0	16 11 42.512	+ 0.0040	+ 3.1636	+ 0.0082	
224	3.3	22 τ Herculis	2086	1861.5	1863.6	16 15 59.026	— 0.005	+ 1.8011	+ 0.0052	— 0.001
225	3.1	20 γ Herculis	2084	1862	1862.9	16 16 24.376	— 0.0049	+ 2.6477	+ 0.0038	
226	2.6	14 η Draconis*)	2104	1862.4	1866.3	16 22 18.218	+ 0.006	+ 0.8022	+ 0.0188	— 0.010
227	3.7	10 λ Ophiuchi	2097	1862	1866.1	16 24 36.590	— 0.0027	+ 3.0240	+ 0.0063	
228	2.3	27 β Herculis	2100	1861	1866.9	16 24 50.806	— 0.0090	+ 2.5837	+ 0.0036	
229	5.0	15 A Draconis	2118	1863.6	1866.8	16 28 14.076	— 0.009	— 0.1416	+ 0.0411	— 0.019
230	4.1	35 σ Herculis	2113	1860	1867.2	16 30 4.450	— 0.0020	+ 1.9325	+ 0.0043	— 0.001
231	2.6	40 ζ Herculis	2127	1863	1865.3	16 36 34.497	— 0.0356	+ 2.2967	+ 0.0033	
232	3.1	44 η Herculis	2133	1863	1864.8	16 38 36.701	+ 0.0028	+ 2.0513	+ 0.0037	— 0.001
233	3.3	27 $\varkappa$ Ophiuchi	2156	1862	1866.4	16 51 45.123	— 0.0212	+ 2.8567	+ 0.0044	
234	3.3	58 ε Herculis	2161	1863	1866.6	16 55 30.465	— 0.0047	+ 2.2971	+ 0.0032	
235	4.3	22 ε Ursae min.	2201	1862	1864.7	16 58 50.810	+ 0.0090	— 6.3910	+ 0.3075	+ 0.554
236	3.0	22 ξ Draconis	2193	1861	1866.5	17 8 25.716	— 0.0027	+ 0.1631	+ 0.0139	— 0.006
237	3.2 ... 4.0	64 α Herculis	2183	1860	1863.7	17 8 56.900	— 0.0019	+ 2.7342	+ 0.0035	
238	3.0	65 δ Herculis	2185	1860	1867.0	17 9 53.872	— 0.0028	+ 2.4640	+ 0.0031	
239	3.1	67 π Herculis	2187	1863	1868.7	17 10 41.644	— 0.0035	+ 2.0897	+ 0.0033	
240	2.6	23 β Draconis	2221	1863	1865.0	17 27 36.572	— 0.0020	+ 1.3538	+ 0.0051	— 0.003

*) Im Catalog von 1869 und auch V.J.S. 13, 211 ist der Stern irrthümlich als „η Draconis seq.“ bezeichnet.

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
201	+ 33° 46′ 56″.04	— 0″.105	— 13″.519	+ 0″.266		— 0ˢ.025	— 0ˢ.0025	— 0″.09	— 0″.002	
202	+ 37 48 59.27	+ 0.084	— 12.906	+ 0.263		+ 0.007	— 0.0028	+ 0.01	— 0.007	
203	+ 72 16 43.78	+ 0.019	— 12.827	— 0.011	+ 0″.14	— 0.166	— 0.0067	+ 0.14	+ 0.005	
204	+ 59 24 16.60	+ 0.022	— 12.746	+ 0.155	+ 0.04	— 0.005	— 0.0043	+ 0.44	+ 0.010	
205	+ 29 32 15.46	+ 0.075	— 12.711	+ 0.286		— 0.013	— 0.0026	+ 0.30	— 0.001	
206	+ 41 15 36.36	— 0.014	— 12.454	+ 0.251	+ 0.05	+ 0.052	+ 0.0004	— 0.66	— 0.025	
207	+ 41 19 28.18	— 0.017	— 12.394	+ 0.252	+ 0.05	+ 0.081	+ 0.0002	— 0.40	— 0.029	
208	+ 31 46 55.63	— 0.02	— 12.354	+ 0.283		+ 0.057	— 0.0005	+ 0.57	+ 0.036	
209	+ 27 8 11.53	— 0.094	— 12.250	+ 0.297		+ 0.020	— 0.0006	— 0.64	— 0.030	
210	+ 37 2 33.42	0.00	— 11.881	+ 0.277		+ 0.013	— 0.0033	+ 0.50	+ 0.046	$5^{m}.2$ 6″
211	+ 26 41 33.94	+ 0.034	— 11.682	+ 0.304		— 0.032	— 0.0022	— 0.18	— 0.018	
212	+ 6 49 12.73	+ 0.056	— 11.638	+ 0.354		+ 0.022	— 0.0007	— 0.30	— 0.006	
213	+ 15 48 51.77	— 0.041	— 11.473	+ 0.335		— 0.003	— 0.0028	+ 0.36	+ 0.020	9.10^{m} 30″
214	— 3 2 46.22	— 0.003	— 11.280	+ 0.382		— 0.025	— 0.0027	— 0.55	+ 0.026	
215	+ 18 31 44.12	— 0.083	— 11.279	+ 0.331		+ 0.018	— 0.0006	— 0.72	— 0.022	
216	+ 4 51 19.32	+ 0.059	— 11.172	+ 0.366		— 0.020	— 0.0033	— 0.49	— 0.018	
217	+ 78 10 40.90	— 0.004	— 10.881	— 0.276	+ 0.47	+ 0.280	+ 0.0066	+ 0.25	+ 0.011	
218	+ 16 4 15.42	— 1.286	— 10.725	+ 0.343		— 0.011	— 0.0024	— 0.12	— 0.017	
219	+ 27 14 27.67	— 0.062	— 10.596	+ 0.313		— 0.050	— 0.0040	— 0.49	— 0.037	
220	+ 58 53 58.70	+ 0.345	— 10.062	+ 0.150	+ 0.04	+ 0.161	+ 0.0047	+ 0.76	+ 0.015	
221	+ 45 15 48.74	+ 0.043	— 9.659	+ 0.246	+ 0.04	+ 0.103	+ 0.0008	+ 0.09	+ 0.003	
222	— 3 22 15.15	— 0.137	— 9.431	+ 0.408		— 0.013	— 0.0029	+ 0.19	+ 0.012	
223	— 4 23 10.55	+ 0.034	— 9.127	+ 0.415		+ 0.033	— 0.0010	— 0.07	+ 0.004	
224	+ 46 36 43.00	+ 0.036	— 8.792	+ 0.240	+ 0.03	+ 0.048	— 0.0027	+ 0.59	+ 0.015	
225	+ 19 26 52.83	+ 0.048	— 8.759	+ 0.351		+ 0.016	— 0.0010	+ 0.33	+ 0.000	
226	+ 61 47 50.99	+ 0.050	— 8.292	+ 0.110	+ 0.04	— 0.014	+ 0.0019	— 0.45	— 0.047	
227	+ 2 15 32.44	— 0.065	— 8.106	+ 0.407		— 0.070	— 0.0045	— 0.59	— 0.006	
228	+ 21 45 47.76	— 0.012	— 8.089	+ 0.348		— 0.012	— 0.0020	— 1.35	— 0.030	8.9^{m} 5″
229	+ 69 2 18.85	+ 0.036	— 7.817	— 0.016	+ 0.09	+ 0.060	— 0.0031	+ 0.56	+ 0.001	dpl. 1″, 4^{m} und 6^{m}
230	+ 42 41 44.96	+ 0.026	— 7.674	+ 0.264	+ 0.03	+ 0.017	— 0.0020	— 0.26	— 0.036	
231	+ 31 49 49.38	+ 0.410	— 7.140	+ 0.316		— 0.013	— 0.0031	— 0.14	— 0.004	7^{m} 2″
232	+ 39 9 40.01	— 0.077	— 6.979	+ 0.284	+ 0.03	+ 0.015	— 0.0019	+ 0.25	— 0.002	
233	+ 9 34 15.20	+ 0.015	— 5.884	+ 0.401		+ 0.059	+ 0.0010	— 0.04	+ 0.007	
234	+ 31 6 41.95	+ 0.032	— 5.569	+ 0.324		+ 0.006	— 0.0020	+ 0.19	+ 0.002	
235	+ 82 14 22.71	— 0.003	— 5.288	— 0.897	+ 0.92	+ 0.034	— 0.0035	+ 0.46	+ 0.015	$\Delta\mu$ —0ˢ.0001 +0″.001
236	+ 65 52 7.35	+ 0.022	— 4.475	+ 0.025	+ 0.05	+ 0.057	— 0.0015	+ 0.28	+ 0.008	
237	+ 14 32 3.31	+ 0.030	— 4.430	+ 0.391		+ 0.009	— 0.0013	— 0.47	— 0.019	6^{m} 5″
238	+ 24 59 16.57	— 0.153	— 4.349	+ 0.353		+ 0.027	+ 0.0006	+ 0.36	+ 0.002	8^{m} 18″
239	+ 36 57 3.82	+ 0.005	— 4.281	+ 0.300		— 0.051	— 0.0026	— 0.97	— 0.009	
240	+ 52 23 40.79	+ 0.004	— 2.825	+ 0.200	+ 0.02	+ 0.061	+ 0.0009	+ 0.65	+ 0.006	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E.B.	Praec.	Saec. Var.	3. Gl.
241	2.0	55 α Ophiuchi	2218	1861	1863.8	$17^h\ 29^m\ 7^s.955$	$+ 0^s.0066$	$+ 2^s.7748$	$+ 0^s.0030$	
242	4.7	24 ν^1 Draconis	2222	1858	1869.3	17 29 42.950	+ 0.0183	+ 1.1604	+ 0.0058	— $0^s.004$
243	4.7	25 ν^2 Draconis	2224	1858	1872.3	17 29 48.303	+ 0.0179	+ 1.1611	+ 0.0058	— 0.004
244	3.3	85 ι Herculis	2233	1859	1860.7	17 35 56.246	— 0.0005	+ 1.6919	+ 0.0035	— 0.002
245	3.0	60 β Ophiuchi	2229	1861	1864.1	17 37 17.871	— 0.0041	+ 2.9647	+ 0.0030	
246	3.3	86 μ Herculis	2237	1862	1865.5	17 41 34.046	— 0.0244	+ 2.3698	+ 0.0026	
247	3.6	62 γ Ophiuchi	2236	1857	1864.8	17 41 37.514	— 0.0037	+ 3.0081	+ 0.0029	
248	3.3	32 ξ Draconis	2263	1860	1864.0	17 51 22.189	+ 0.0169	+ 1.0234	+ 0.0039	— 0.004
249	4.0	91 ϑ Herculis	2256	1858	1862.8	17 51 57.984	— 0.0023	+ 2.0556	+ 0.0021	
250	3.6	64 ν Ophiuchi	2250	1857	1865.6	17 52 8.725	— 0.0021	+ 3.3020	+ 0.0025	
251	3.6	92 ξ Herculis	2258	1860.3	1865.7	17 52 54.481	+ 0.006	+ 2.3235	+ 0.0024	
252	2.3	33 γ Draconis	2267	1862	1863.3	17 53 42.244	— 0.0018	+ 1.3919	+ 0.0031	— 0.003
253	4.0	67 Ophiuchi	2259	1860	1864.6	17 54 23.132	+ 0.0017	+ 3.0036	+ 0.0022	
254	3.3	72 Ophiuchi	2275	1862	1862.8	18 1 25.424	— 0.0056	+ 2.8474	+ 0.0020	
255	3.8	103 o Herculis	2281	1860	1863.9	18 2 40.027	— 0.0010	+ 2.3389	+ 0.0022	
256	4.3	23 δ Ursae min.	2395	1862	1865.0	18 12 39.263	$+ 0.02^{92}_{78}$	—19.4480	— 0.3689	+ 16.065
257	3.0	58 η Serpentis	2298	1862	1864.4	18 14 50.528	— 0.0400	+ 3.1405	+ 0.0009	
258	4.0	109 Herculis	2311	1862	1867.0	18 18 22.308	+ 0.0131	+ 2.5415	+ 0.0017	
259	3.8	44 χ Draconis	2337	1862	1862.8	18 23 18.542	+ 0.1129	— 1.1923	— 0.0149	+ 0.024
260	1	3 α Lyrae	2341	1860	1862.8	18 32 42.395	+ 0.0173	+ 2.0132	+ 0.0016	
261	4.5	4 ε Lyrae a. pr.	2355	1860	1865.1	18 40 11.903	— 0.0022	+ 1.9855	+ 0.0014	— 0.001
262	4.6	5 Lyrae med.	2356	1858	1870.1	18 40 14.266	— 0.0005	+ 1.9877	+ 0.0014	— 0.001
263	4.0	110 Herculis	2351	1862	1867.8	18 40 16.959	— 0.0030	+ 2.5820	+ 0.0012	
264	3.4 ... 4.5	10 β Lyrae	2369	1862	1865.1	18 45 27.926	— 0.0007	+ 2.2139	+ 0.0015	
265	4.6	47 o Draconis	2386	1862	1869.4	18 49 21.371	+ 0.0090	+ 0.8782	— 0.0045	— 0.004
266	4.2	63 ϑ Serpentis pr.	2376	1858	1862.1	18 50 0.328	+ 0.0010	+ 2.9800	— 0.0004	
267	4.0	13 ε Aquilae	2390	1863	1865.1	18 53 56.982	— 0.0049	+ 2.7263	+ 0.0005	
268	3.3	14 γ Lyrae	2392	1860	1866.5	18 54 16.074	— 0.0018	+ 2.2437	+ 0.0014	
269	3.1	16 λ Aquilae	2401	1862	1865.1	18 59 36.904	— 0.0038	+ 3.1868	— 0.0021	
270	3.0	17 ζ Aquilae	2405	1863	1863.9	18 59 39.900	— 0.0026	+ 2.7578	+ 0.0003	
271	3.0	57 δ Draconis	2449	1864	1865.7	19 12 31.289	+ 0.0156	+ 0.0137	— 0.0228	— 0.009
272	4.0	1 $\varkappa$ Cygni	2447	1863	1866.2	19 14 12.827	+ 0.0066	+ 1.3818	— 0.0026	— 0.003
273	4.8	60 τ Draconis	2472	1861	1863.9	19 17 56.732	— 0.0313	— 1.0821	— 0.0564	— 0.009
274	3.3	30 δ Aquilae	2451	1863	1864.9	19 19 11.751	+ 0.0153	+ 3.0092	— 0.0017	
275	3.0	6 β Cygni	2473	1863	1867.8	19 25 40.844	— 0.0017	+ 2.4188	+ 0.0010	
276	4.1	10 ι Cygni	2481	1859	1865.2	19 26 33.276	+ 0.0022	+ 1.5119	— 0.0021	— 0.002
277	3.0	50 γ Aquilae	2511	1861	1863.8	19 40 19.016	— 0.0005	+ 2.8520	— 0.0010	
278	2.8	18 δ Cygni	2520	1862	1864.6	19 41 4.118	+ 0.0046	+ 1.8705	+ 0.0002	— 0.000
279	4.0	7 δ Sagittae	2516	1859	1861.1	19 41 48.847	— 0.0015	+ 2.6747	+ 0.0002	
280	1.3	53 α Aquilae	2524	1861	1863.8	19 44 41.061	+ 0.0351	+ 2.8921	— 0.0014	

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
241	+ 12° 39′ 9″.18	— 0″.217	— 2″.692	+ 0″.402		+ 0ˢ.032	— 0ˢ.0004	— 0″.59	— 0″.013	
242	+ 55 16 13.23	+ 0.048	— 2.642	+ 0.169	+ 0″.01	+ 0.045	— 0.0006	+ 0.85	+ 0.020	
243	+ 55 15 31.70	+ 0.044	— 2.635	+ 0.169	+ 0.01	— 0.004	— 0.0007	+ 1.06	+ 0.026	
244	+ 46 4 25.45	— 0.002	— 2.102	+ 0.246	+ 0.01	— 0.235	— 0.0114	+ 0.97	+ 0.010	
245	+ 4 37 16.39	+ 0.167	— 1.983	+ 0.431		+ 0.023	— 0.0008	+ 0.07	+ 0.003	
246	+ 27 47 42.07	— 0.745	— 1.611	+ 0.345		+ 0.036	+ 0.0005	— 0.38	— 0.018	dpl. 9.10^{m} 31″
247	+ 2 45 21.42	— 0.056	— 1.606	+ 0.438		+ 0.069	+ 0.0004	+ 0.60	+ 0.036	
248	+ 56 53 34.03	+ 0.077	— 0.755	+ 0.150	+ 0.01	+ 0.074	+ 0.0012	— 0.09	+ 0.005	
249	+ 37 16 5.35	+ 0.019	— 0.703	+ 0.300		+ 0.000	— 0.0018	— 0.26	— 0.000	
250	— 9 45 22.07	— 0.097	— 0.687	+ 0.482		+ 0.002	— 0.0021	+ 0.07	+ 0.011	
251	+ 29 15 44.99	— 0.028	— 0.621	+ 0.339		+ 0.096	+ 0.0020	+ 1.12	+ 0.010	
252	+ 51 30 15.39	— 0.028	— 0.551	+ 0.203	+ 0.01	— 0.031	— 0.0037	+ 0.48	+ 0.009	
253	+ 2 56 21.68	— 0.005	— 0.491	+ 0.438		+ 0.042	+ 0.0019	+ 0.62	+ 0.033	7^{m} f. 2^{s} 45″ südl.
254	+ 9 32 51.53	+ 0.089	+ 0.125	+ 0.415		+ 0.010	— 0.0014	+ 0.61	+ 0.026	
255	+ 28 44 47.77	— 0.001	+ 0.233	+ 0.341		+ 0.041	— 0.0009	+ 0.17	— 0.010	
256	+ 86 36 27.72	+ 0.039	+ 1.107	— 2.832	— 1.21	— 0.042	— 0.0032	+ 0.80	+ 0.019	
257	— 2 55 46.10	— 0.677	+ 1.298	+ 0.456		+ 0.035	+ 0.0002	— 0.02	+ 0.011	
258	+ 21 42 51.41	— 0.257	+ 1.606	+ 0.369		+ 0.035	+ 0.0001	+ 0.35	+ 0.015	
259	+ 72 40 41.04	— 0.374	+ 2.036	— 0.174	— 0.03	+ 0.177	— 0.0012	— 0.06	+ 0.009	
260	+ 38 40 6.37	+ 0.295	+ 2.852	+ 0.289		+ 0.020	— 0.0007	+ 0.10	+ 0.007	
261	+ 39 32 25.19	+ 0.080	+ 3.499	+ 0.283	— 0.01	+ 0.065	— 0.0019	+ 0.08	+ 0.018	$6^{m}.2$ 3″
262	+ 39 28 58.34	+ 0.074	+ 3.503	+ 0.284	— 0.01	+ 0.038	— 0.0006	— 0.23	— 0.010	dpl. 3″, $5^{m}.2$ u. $5^{m}.5$
263	+ 20 25 40.91	— 0.348	+ 3.507	+ 0.369		— 0.058	— 0.0044	+ 0.38	+ 0.012	
264	+ 33 13 7.48	+ 0.017	+ 3.952	+ 0.315		+ 0.080	+ 0.0018	+ 0.18	+ 0.025	7^{m} f. 2^{s} 39″ südl.
265	+ 59 14 9.66	+ 0.023	+ 4.285	+ 0.123	— 0.02	+ 0.128	+ 0.0018	+ 0.34	+ 0.011	8^{m} 31″
266	+ 4 2 33.66	+ 0.049	+ 4.341	+ 0.422		+ 0.111	+ 0.0018	+ 0.61	+ 0.011	$4^{m}.4$ 21″
267	+ 14 53 59.93	— 0.080	+ 4.677	+ 0.385		+ 0.030	+ 0.0022	+ 0.41	+ 0.008	
268	+ 32 31 9.38	+ 0.011	+ 4.704	+ 0.316		— 0.027	— 0.0039	— 0.04	+ 0.009	
269	— 5 4 5.90	— 0.080	+ 5.158	+ 0.447		— 0.007	— 0.0026	— 0.18	+ 0.003	
270	+ 13 40 44.65	— 0.089	+ 5.162	+ 0.386		+ 0.073	+ 0.0010	+ 0.07	+ 0.019	
271	+ 67 26 30.04	+ 0.079	+ 6.241	— 0.001	— 0.05	+ 0.042	— 0.0039	+ 0.92	+ 0.022	
272	+ 53 8 18.60	+ 0.112	+ 6.381	+ 0.188	— 0.02	+ 0.123	+ 0.0036	+ 0.79	+ 0.013	
273	+ 73 7 22.25	+ 0.108	+ 6.690	— 0.152	— 0.13	+ 0.093	+ 0.0017	+ 0.17	+ 0.008	
274	+ 2 52 1.51	+ 0.091	+ 6.793	+ 0.410		+ 0.032	— 0.0006	— 0.46	+ 0.002	
275	+ 27 41 53.93	— 0.020	+ 7.324	+ 0.325		+ 0.007	— 0.0021	— 0.53	— 0.033	6^{m} 34″
276	+ 51 27 50.95	+ 0.121	+ 7.395	+ 0.202	— 0.04	+ 0.076	+ 0.0022	+ 0.64	+ 0.017	
277	+ 10 18 36.07	+ 0.008	+ 8.500	+ 0.373		+ 0.004	— 0.0011	+ 0.09	+ 0.004	
278	+ 44 49 35.51	+ 0.035	+ 8.560	+ 0.243	— 0.03	+ 0.086	+ 0.0009	+ 0.41	+ 0.015	8^{m} 2″
279	+ 18 13 37.96	+ 0.037	+ 8.619	+ 0.348		— 0.089	— 0.0063	— 0.54	+ 0.005	
280	+ 8 32 22.55	+ 0.384	+ 8.845	+ 0.375		+ 0.001	— 0.0014	— 0.02	+ 0.002	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.
281	3.5 ... 4.7	55 η Aquilae	2526	1861	1863.5	$19^h\,46^m\,6^s.288$	$-0^s.0017$	$+3^s.0579$	$-0^s.0031$	
282	3.8	63 ε Draconis	2554	1862	1864.4	19 48 35.234	+0.0123	−0.1874	−0.0438	$-0^s.026$
283	4.0	60 β Aquilae	2538	1860	1863.2	19 49 10.383	+0.0007	+2.9454	−0.0020	
284	6.4	(λ Ursae min.)	2795	1863.6	1867.2	19 49 16.813	-0.0^{495}_{504}	−60.5826	−29.6940	+67.533
285	5.2	24 ψ Cygni	2556	1861	1866.9	19 52 23.887	−0.0059	+1.5568	−0.0026	−0.002
286	3.6	12 γ Sagittae	2550	1857	1861.4	19 53 11.905	+0.0030	+2.6634	+0.0003	
287	3.0	65 ϑ Aquilae	2576	1863	1863.5	20 4 51.279	−0.0001	+3.0960	−0.0042	
288	4.5	31 o^1 seq. Cygni	2603	1861	1864.9	20 9 41.755	−0.0004	+1.8887	+0.0004	+0.002
289	2.4	37 γ Cygni	2624	1863	1866.6	20 17 44.582	−0.0001	+2.1517	+0.0019	+0.002
290	4.0	2 ε Delphini	2642	1862	1863.7	20 27 14.468	−0.0006	+2.8665	−0.0013	
291	4.0	2 ϑ Cephei	2651	1861	1865.8	20 27 28.887	+0.0046	+1.0111	−0.0152	−0.011
292	3.3	6 β Delphini	2656	1859	1861.7	20 31 41.246	+0.0055	+2.8061	−0.0005	
293	3.6	9 α Delphini	2670	1863	1866.4	20 33 49.929	+0.0031	+2.7825	−0.0001	
294	1.6	50 α Cygni	2679	1862	1863.4	20 37 10.283	−0.0003	+2.0435	+0.0022	+0.003
295	4.0	11 δ Delphini	2678	1859	1867.1	20 37 37.402	−0.0025	+2.8026	−0.0003	
296	4.0	12 γ Delphini seq.	2686	1862	1865.7	20 40 51.571	−0.0034	+2.7857	+0.0000	
297	3.6	2 ε Aquarii	2681	1862	1864.6	20 40 54.504	−0.0002	+3.2514	−0.0084	
298	2.6	53 ε Cygni	2689	1862	1867.7	20 41 9.255	+0.0280	+2.3972	+0.0029	
299	3.6	3 η Cephei	2698	1862	1866.4	20 42 44.671	+0.0127	+1.2164	−0.0111	−0.007
300	4.0	58 ν Cygni	2724	1861	1864.5	20 52 30.842	+0.0000	+2.2334	+0.0037	+0.005
301	4.0	62 ξ Cygni	2746	1862	1864.7	21 0 23.127	+0.0006	+2.1788	+0.0042	+0.005
302	5.7	61 Cygni pr.	2744	1862	1863.4	21 1 17.686	+0.3444	+2.3343	+0.0044	
303	3.0	64 ξ Cygni	2760	1863	1864.4	21 7 37.012	−0.0015	+2.5509	+0.0039	
304	4.0	8 α Equulei	2764	1861	1863.7	21 9 34.499	+0.0021	+2.9973	−0.0028	
305	4.0	65 τ Cygni	2767	1862	1867.2	21 9 48.144	+0.0121	+2.3782	+0.0050	
306	2.6	5 α Cephei	2786	1863	1863.8	21 15 35.708	+0.0211	+1.4154	−0.0071	−0.005
307	3.0	22 β Aquarii	2797	1863	1866.9	21 24 58.664	−0.0006	+3.1620	−0.0071	
308	3.0	8 β Cephei	2811	1862	1863.1	21 27 2.457	+0.0012	+0.7972	−0.0345	−0.039
309	2.3	8 ε Pegasi	2835	1862	1865.1	21 38 2.815	+0.0008	+2.9451	−0.0005	
310	4.0	10 $\varkappa$ Pegasi	2848	1861.5	1865.8	21 38 59.118	−0.000	+2.7112	+0.0047	
311	3.0	34 α Aquarii	2890	1861	1863.8	21 59 21.794	−0.0008	+3.0831	−0.0042	
312	4.0	24 ι Pegasi	2899	1862	1866.0	22 1 11.580	+0.0209	+2.7671	+0.0060	
313	5.7	27 Pegasi	2915	1860	1869.2	22 3 41.408	−0.0050	+2.6573	+0.0087	
314	3.3	26 ϑ Pegasi	2914	1859	1863.0	22 3 53.669	+0.0175	+3.0088	−0.0011	
315	4.2	29 π Pegasi	2917	1862	1868.4	22 4 26.253	−0.0020	+2.6597	+0.0088	
316	3.4	21 ζ Cephei	2925	1862	1864.9	22 6 31.166	−0.0016	+2.0718	+0.0113	+0.013
317	3.4	48 γ Aquarii	2943	1863	1868.9	22 15 11.973	+0.0068	+3.0930	−0.0042	
318	3.8 ... 5.0	27 δ Cephei	2973	1861	1865.8	22 24 31.986	+0.0004	+2.2140	+0.0166	+0.018
319	4.0	7 Lacertae	2975	1863	1865.2	22 26 8.673	+0.0131	+2.4459	+0.0165	+0.016
320	3.8	62 η Aquarii	2979	1863	1867.6	22 28 55.971	+0.0042	+3.0791	−0.0031	

*) 30 Cygni geht 19^s voran, 4!5 nördl.; 7.8^m folgt 1^s 1!6 südl.

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
281	+ 0° 41′ 10.″67	— 0.″003	+ 8.″956	+ 0.″395		+ 0.ˢ003	— 0.ˢ0018	+ 0.″86	+ 0.″031	*
282	+ 69 56 58.28	+ 0.016	+ 9.150	— 0.028	— 0.″09	+ 0.048	— 0.0026	+ 0.83	+ 0.021	$7.8^{m}\,3''$
283	+ 6 5 45.43	— 0.473	+ 9.196	+ 0.378		+ 0.011	— 0.0011	— 0.32	+ 0.008	
284	+ 88 55 51.49	— 0.00$^{4}_{5}$	+ 9.204	— 7.853	−93.81	— 1.693	— 0.0352	— 0.48	— 0.030	
285	+ 52 6 27.80	— 0.046	+ 9.446	+ 0.196	— 0.03	+ 0.045	— 0.0017	— 0.52	— 0.032	$7.8^{m}\,3''$
286	+ 19 9 14.12	+ 0.037	+ 9.507	+ 0.338		+ 0.019	— 0.0012	+ 0.14	+ 0.004	
287	— 1 11 27.13	+ 0.014	+ 10.393	+ 0.382		+ 0.011	— 0.0017	— 0.20	+ 0.015	
288	+ 46 21 46.75	+ 0.002	+ 10.753	+ 0.228	— 0.04	+ 0.037	+ 0.0001	+ 0.53	+ 0.002	*)
289	+ 39 51 26.92	+ 0.019	+ 11.340	+ 0.254	— 0.05	+ 0.036	— 0.0017	— 0.20	+ 0.003	
290	+ 10 52 46.59	— 0.022	+ 12.016	+ 0.330		+ 0.047	+ 0.0006	+ 0.26	+ 0.010	
291	+ 62 34 27.42	— 0.027	+ 12.033	+ 0.113	— 0.04	+ 0.043	— 0.0028	— 0.28	— 0.020	
292	+ 14 9 41.13	— 0.029	+ 12.325	+ 0.318		+ 0.061	— 0.0001	+ 0.09	+ 0.011	$11^{m}\,32''$
293	+ 15 28 19.95	— 0.002	+ 12.473	+ 0.312		— 0.010	— 0.0025	— 0.24	— 0.012	
294	+ 44 50 3.99	+ 0.003	+ 12.700	+ 0.225	— 0.05	+ 0.054	+ 0.0002	+ 0.03	+ 0.002	
295	+ 14 37 38.39	— 0.043	+ 12.731	+ 0.310		+ 0.030	— 0.0001	+ 0.72	— 0.002	
296	+ 15 40 29.67	— 0.196	+ 12.948	+ 0.305		+ 0.143	— 0.0006	— 0.25	— 0.012	$5^{m}.0\;12''$
297	— 9 57 7.63	— 0.027	+ 12.951	+ 0.356		+ 0.026	— 0.0015	— 0.08	+ 0.010	
298	+ 33 30 10.53	+ 0.335	+ 12.968	+ 0.261		+ 0.016	— 0.0017	— 0.26	+ 0.009	
299	+ 61 21 13.28	+ 0.810	+ 13.074	+ 0.129	— 0.04	— 0.016	— 0.0035	+ 0.19	— 0.008	
300	+ 40 41 12.09	+ 0.001	+ 13.710	+ 0.232	— 0.06	+ 0.020	— 0.0017	+ 0.00	+ 0.000	
301	+ 43 25 47.50	— 0.008	+ 14.204	+ 0.218	— 0.06	+ 0.067	— 0.0004	+ 0.36	+ 0.004	
302	+ 38 8 8.38	+ 3.230	+ 14.260	+ 0.233		+ 0.039	— 0.0020	+ 0.11	+ 0.009	$6^{m}.3\;\;20''$
303	+ 29 42 54.15	— 0.066	+ 14.644	+ 0.248		— 0.059	— 0.0026	— 0.71	— 0.027	
304	+ 4 43 55.50	— 0.078	+ 14.760	+ 0.290		+ 0.028	— 0.0007	+ 0.05	+ 0.013	
305	+ 37 30 45.18	+ 0.460	+ 14.774	+ 0.228		+ 0.042	— 0.0043	+ 0.70	+ 0.014	
306	+ 62 3 22.86	+ 0.025	+ 15.112	+ 0.129	— 0.04	+ 0.012	— 0.0007	+ 1.09	+ 0.014	
307	— 6 7 12.37	— 0.001	+ 15.639	+ 0.282		+ 0.019	— 0.0017	+ 0.23	+ 0.021	
308	+ 70 0 43.97	— 0.012	+ 15.751	+ 0.065	— 0.06	+ 0.086	+ 0.0004	+ 1.21	+ 0.033	$8^{m}\;14''$
309	+ 9 18 9.90	+ 0.011	+ 16.329	+ 0.242		+ 0.041	+ 0.0001	— 0.40	+ 0.002	
310	+ 25 4 16.36	+ 0.013	+ 16.376	+ 0.221		+ 0.075	+ 0.0033	— 0.32	— 0.017	$11^{m}\;11''$
311	— 0 55 34.88	+ 0.002	+ 17.340	+ 0.218		+ 0.016	— 0.0008	— 0.13	+ 0.004	
312	+ 24 44 6.70	+ 0.018	+ 17.419	+ 0.193		+ 0.058	— 0.0005	— 0.30	— 0.008	
313	+ 32 33 44.35	— 0.061	+ 17.527	+ 0.181		+ 0.037	— 0.0012	— 1.05	— 0.055	
314	+ 5 35 0.82	+ 0.040	+ 17.535	+ 0.209		+ 0.017	— 0.0014	+ 0.23	+ 0.011	
315	+ 32 33 55.82	— 0.005	+ 17.558	+ 0.179		+ 0.035	— 0.0011	+ 0.09	+ 0.002	
316	+ 57 35 7.98	— 0.006	+ 17.646	+ 0.136	— 0.06	+ 0.075	— 0.0031	+ 0.46	+ 0.004	
317	— 2 0 59.69	+ 0.017	+ 17.994	+ 0.191		+ 0.012	— 0.0010	— 0.41	+ 0.004	
318	+ 57 46 32.98	— 0.009	+ 18.339	+ 0.123	— 0.06	+ 0.049	— 0.0003	+ 0.90	+ 0.016	$7^{m}\;42''$
319	+ 49 38 24.91	+ 0.004	+ 18.396	+ 0.134	— 0.08	+ 0.150	+ 0.0005	+ 0.67	+ 0.018	
320	— 0 45 40.52	— 0.053	+ 18.492	+ 0.166		+ 0.056	+ 0.0004	— 0.10	— 0.001	

Catalog. Abtheilung I.

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.
321	3.3	42 ζ Pegasi	2992	1863	1865.0	$22^h\ 35^m\ 13^s.701$	$+ 0^s.0044$	$+ 2^s.9855$	$+ 0^s.0023$	
322	3.0	44 η Pegasi	3003	1863	1867.0	22 37 8.685	+ 0.0001	+ 2.8040	+ 0.0108	
323	4.0	47 λ Pegasi	3010	1861	1866.5	22 40 30.703	+ 0.0031	+ 2.8802	+ 0.0082	
324	4.0	48 μ Pegasi	3016	1863	1866.8	22 43 58.302	+ 0.0096	+ 2.8789	+ 0.0089	
325	3.4	32 ι Cephei	3022	1862	1866.9	22 45 14.095	— 0.0142	+ 2.1302	+ 0.0224	$+ 0^s.029$
326	4.0	73 λ Aquarii	3019	1862	1867.1	22 46 5.545	— 0.0016	+ 3.1336	— 0.0063	
327	3.6	1 o Andromedae	3043	1862	1866.8	22 56 10.392	+ 0.0007	+ 2.7453	+ 0.0187	+ 0.017
328	2.2 ... 2.7	53 β Pegasi	3047	1861	1864.5	22 57 42.992	+ 0.0130	+ 2.8862	+ 0.0117	
329	2.0	54 α Pegasi	3050	1861	1864.5	22 58 32.116	+ 0.0028	+ 2.9804	+ 0.0056	
330	4.0	6 γ Piscium	3082	1863	1865.5	23 10 41.121	+ 0.0487	+ 3.0593	+ 0.0005	
331	4.0	16 λ Andromedae	3143	1860	1862.7	23 31 27.097	+ 0.0157	+ 2.9015	+ 0.0274	+ 0.023
332	4.0	17 ι Andromedae	3144	1861	1865.7	23 32 0.625	+ 0.0014	+ 2.9226	+ 0.0250	+ 0.020
333	4.3	17 ι Piscium	3148	1863	1866.1	23 33 31.290	+ 0.0234	+ 3.0589	+ 0.0030	
334	3.3	35 γ Cephei	3152	1863	1865.0	23 34 14.000	$- 0.0^{198}_{200}$	+ 2.4259	+ 0.0748	+ 0.163
335	4.1	19 $\varkappa$ Andromedae	3149	1859	1866.1	23 34 15.375	+ 0.0069	+ 2.9293	+ 0.0262	+ 0.021
336	4.0	28 ω Piscium	3191	1863	1865.8	23 52 53.583	+ 0.0087	+ 3.0678	+ 0.0047	

Abtheilung II.

337	5.3	22 Andromedae	3220	1870.0	1870.1	0 3 49.788	+ 0.0015	+ 3.0949	+ 0.0328	+ 0.025
338	6.4	Br. 6	6	1869.9	1870.4	0 9 10.208	— 0.019	+ 3.2909	+ 0.1417	+ 0.284
339	6.0	12 Ceti	38	1868.8	1867.5	0 23 39.591	— 0.0003	+ 3.0610	+ 0.0008	
340	6.0	21 Cassiopejae	66	1871.4	1871.4	0 37 25.782	— 0.0087	+ 3.8457	+ 0.1613	+ 0.269
341	5.0	22 o Cassiopejae	69	1870.3	1870.0	0 37 46.010	— 0.0003	+ 3.3124	+ 0.0413	+ 0.028
342	4.3	63 δ Piscium	85	1867.1	1869.4	0 42 11.903	+ 0.0035	+ 3.1019	+ 0.0079	
343	6.0	Br. 82	82	1861.9	1861.9	0 43 9.486	— 0.0030	+ 3.5757	+ 0.0824	+ 0.081
344	4.3	Cephei 43 Hev.	92	1863.6	1870.7	0 52 1.138	$+ 0.06^{69}_{85}$	+ 6.9692	+ 1.3374	+ 7.936
345	5.6	Cephei 44 Hev.	117	1870.7	1870.7	1 1 32.962	$+ 0.0^{298}_{300}$	+ 4.8985	+ 0.3285	+ 0.745
346	5.0	36 ψ Cassiopejae	178	1869.4	1870.0	1 17 7.660	+ 0.0111	+ 4.1368	+ 0.1206	+ 0.121
347	5.6	40 Cassiopejae	206	1870.7	1869.7	1 28 33.918	— 0.0050	+ 4.6608	+ 0.1832	+ 0.227
348	6.0	43 Cassiopejae	216	1871.2	1870.7	1 33 6.528	+ 0.0067	+ 4.3421	+ 0.1265	+ 0.116
349	4.6	106 ν Piscium	228	1869.4	1868.5	1 34 55.648	— 0.0035	+ 3.1179	+ 0.0091	
350	6.1	55 Cassiopejae	292	1867.8	1870.9	2 4 41.854	— 0.0020	+ 4.6220	+ 0.1220	+ 0.080

Pulkowaer Hauptsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
321	+ 10° 10′ 45.″39	— 0.″018	+ 18.″698	+ 0.″149		+ 0.ˢ072	+ 0.ˢ0018	— 0.″61	— 0.″028	
322	+ 29 34 4.58	— 0.033	+ 18.758	+ 0.137		+ 0.008	— 0.0015	— 0.26	— 0.009	
323	+ 22 54 29.85	— 0.004	+ 18.860	+ 0.135		+ 0.053	+ 0.0009	— 0.02	+ 0.007	
324	+ 23 56 30.96	— 0.042	+ 18.961	+ 0.128		+ 0.038	+ 0.0022	+ 0.26	— 0.014	
325	+ 65 32 35.62	— 0.140	+ 18.997	+ 0.091	— 0.″06	+ 0.076	— 0.0010	+ 0.95	— 0.001	
326	— 8 14 39.74	+ 0.040	+ 19.021	+ 0.137		+ 0.052	+ 0.0006	— 0.30	+ 0.003	
327	+ 41 39 16.10	0.000	+ 19.282	+ 0.102	— 0.12	+ 0.035	— 0.0005	+ 0.55	+ 0.028	
328	+ 27 24 18.05	+ 0.133	+ 19.318	+ 0.105		+ 0.044	— 0.0006	— 0.45	— 0.014	
329	+ 14 31 58.94	— 0.030	+ 19.337	+ 0.107		— 0.007	— 0.0024	— 0.64	— 0.019	
330	+ 2 35 58.36	+ 0.017	+ 19.592	+ 0.087		+ 0.033	+ 0.0005	— 0.16	+ 0.022	
331	+ 45 46 51.39	— 0.425	+ 19.899	+ 0.044	— 0.14	— 0.009	+ 0.0007	+ 0.77	+ 0.030	
332	+ 42 34 33.91	— 0.012	+ 19.905	+ 0.043	— 0.15	+ 0.088	+ 0.0022	— 0.59	— 0.037	
333	+ 4 56 55.79	— 0.443	+ 19.921	+ 0.043		+ 0.000	— 0.0032	+ 0.08	+ 0.006	
334	+ 76 56 4.85	+ 0.135	+ 19.928	+ 0.031	— 0.08	+ 0.134	+ 0.0021	+ 0.32	— 0.007	$\Delta\mu$ — 0.ˢ0006
335	+ 43 38 30.84	— 0.024	+ 19.928	+ 0.039	— 0.14	+ 0.146	+ 0.0043	— 0.64	— 0.033	
336	+ 6 10 16.46	— 0.108	+ 20.045	+ 0.005		+ 0.050	+ 0.0001	+ 0.22	— 0.007	

Zusatzsterne.

337	+ 45 22 35.15	— 0.016	+ 20.051	— 0.016	— 0.17	— 0.034	— 0.0003	— 0.16	— 0.015	
338	+ 76 15 21.43	— 0.021	+ 20.038	— 0.028	— 0.20	+ 0.279	— 0.0087	+ 0.48	— 0.001	E.B. AR — $0.^{s}01\frac{89}{91}$
339	— 4 38 53.92	— 0.009	+ 19.947	— 0.055		+ 0.001	— 0.0003	+ 0.13	+ 0.017	
340	+ 74 18 15.59	— 0.036	+ 19.787	— 0.100	— 0.32	+ 0.184	+ 0.0001	+ 1.17	+ 0.011	
341	+ 47 35 59.34	— 0.016	+ 19.783	— 0.088	— 0.21	+ 0.094	— 0.0011	+ 0.14	— 0.011	
342	+ 6 54 15.16	— 0.037	+ 19.715	— 0.091		+ 0.045	— 0.0008	+ 0.04	+ 0.016	
343	+ 63 33 59.16	— 0.019	+ 19.700	— 0.106	— 0.26	+ 0.164	— 0.0000	+ 0.68	+ 0.010	
344	+ 85 35 7.35	— 0.010	+ 19.540	— 0.237	— 1.56	+ 0.438	+ 0.0234	— 0.06	— 0.008	
345	+ 79 0 27.08	— 0.015	+ 19.335	— 0.198	— 0.62	+ 0.002	+ 0.0011	+ 0.68	+ 0.017	$\Delta\mu$ + 0.ˢ0008 — 0.″001
346	+ 67 28 35.68	+ 0.009	+ 18.929	— 0.207	— 0.38	+ 0.135	+ 0.0012	+ 0.53	— 0.001	dpl. 9^{m} 30″
347	+ 72 24 6.23	— 0.016	+ 18.575	— 0.264	— 0.52	+ 0.063	+ 0.0032	+ 0.73	+ 0.011	
348	+ 67 24 34.48	— 0.005	+ 18.422	— 0.258	— 0.42	+ 0.221	+ 0.0069	— 0.36	+ 0.011	
349	+ 4 51 15.35	+ 0.005	+ 18.358	— 0.191		— 0.007	— 0.0024	+ 0.16	+ 0.007	
350	+ 65 56 12.81	— 0.004	+ 17.158	— 0.356	— 0.47	+ 0.106	— 0.0013	+ 0.39	+ 0.008	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec.Var.	3. Gl.
351	6.0	6 Persei	299	1869.4	1868.8	$2^h\ 5^m 18^s.105$	$+0^s.0347$	$+3^s.9149$	$+0^s.0552$	$+0^s.020$
352	4.3	9 γ Trianguli	318	1870.4	1870.6	2 9 53.283	+0.0024	+3.5432	+0.0292	
353	6.0	67 Ceti	321	1869.4	1869.8	2 10 44.971	+0.0036	+2.9836	+0.0049	
354	5.6	22 ϑ Arietis	320	1867.2	1869.9	2 11 10.517	−0.0023	+3.3261	+0.0180	
355	5.6	32 ν Arietis	367	1870.6	1868.8	2 31 43.277	−0.0019	+3.3946	+0.0192	
356	6.4	Br. 366	366	1868.8	1868.3	2 34 5.968	+0.0002	+5.0621	+0.1356	+0.064
357	5.0	35 Arietis	380	1867.4	1868.3	2 36 7.218	−0.0019	+3.5044	+0.0233	
358	6.0	Cephei 47 Hev.	392	1870.8	1870.6	2 49 33.726	−0.0112	+7.6755	+0.4567	+0.451
359	4.1	57 δ Arietis	446	1866.6	1868.0	3 4 29.018	+0.0095	+3.4088	+0.0171	
360	6.1	Cephei 48 Hev.	431	1871.0	1870.2	3 4 32.124	+0.003	+7.3396	+0.3528	+0.206
361	4.6	Camelop. 2 Hev.	—	1869.1	1867.8	3 18 57.695	−0.0014	+4.8045	+0.0773	−0.006
362	4.8	35 σ Persei	479	1869.9	1869.3	3 21 46.156	−0.0000	+4.1956	+0.0439	−0.007
363	6.0	Gr. 716	—	1868.8	1869.5	3 31 19.556	−0.0038	+5.1460	+0.0898	−0.018
364	4.3	Camelop. 5 Hev.	—	1873.0	1870.8	3 37 11.718	−0.0016	+6.2153	+0.1604	−0.032
365	6.0	Camelop. 9 Hev.	—	1870.5	1869.8	3 46 29.554	−0.0013	+5.0650	+0.0744	−0.029
366	4.4	38 o^1 Eridani	568	1868.6	1868.8	4 5 45.897	−0.0006	+2.9246	+0.0058	
367	5.8	54 Persei	579	1870.2	1870.1	4 12 17.815	−0.0031	+3.8843	+0.0209	
368	6.3	1 Camelop. seq.	607	1870.8	1865.2	4 22 8.186	+0.0033	+4.7250	+0.0410	−0.037
369	6.1	Gr. 848	—	1870.4	1870.6	4 32 2.965	$+0.009^9_7$	+7.9390	+0.1873	−0.312
370	4.3	94 τ Tauri	648	1867.5	1869.5	4 34 44.635	−0.0010	+3.5936	+0.0122	
371	5.8	4 Camelopardi	649	1870.5	1869.8	4 37 35.836	+0.0031	+4.9653	+0.0409	−0.052
372	5.0	102 ι Tauri	698	1867.3	1869.5	4 55 37.513	+0.0040	+3.5759	+0.0095	
373	5.0	Camelop. 19 Hev.	—	1868.6	1868.9	5 1 59.712	-0.037^8_4	+9.7822	+0.2101	−0.838
374	5.6	11 μ Aurigae	719	1870.1	1870.1	5 4 52.585	−0.0047	+4.0990	+0.0139	
375	6.0	17 Camelopardi	745	1871.7	1872.2	5 18 22.135	−0.0015	+5.6485	+0.0314	−0.108
376	5.0	37 φ^1 Orionis	792	1869.1	1869.1	5 27 57.525	−0.0018	+3.2915	+0.0044	
377	5.8	27 o Aurigae	815	1870.4	1870.4	5 36 13.078	−0.0034	+4.6441	+0.0100	−0.047
378	6.0	130 Tauri	832	1865.3	1865.5	5 40 8.917	−0.0026	+3.4968	+0.0039	
379	4.1	33 δ Aurigae	852	1871.5	1869.8	5 49 14.107	+0.0077	+4.9288	+0.0060	−0.062
380	6.0	66 Orionis	885	1867.9	1867.9	5 58 22.163	−0.0026	+3.1696	+0.0020	
381	5.8	36 Camelopardi	875	1868.0	1865.3	6 0 16.431	−0.009	+6.0387	+0.0004	−0.152
382	4.6	67 ν Orionis	887	1869.6	1869.0	6 0 26.108	−0.0003	+3.4250	+0.0017	
383	4.6	Camelop. 22 Hev.	—	1867.3	1869.7	6 5 4.136	−0.0009	+6.6207	−0.0057	−0.221
384	4.6	2 Lyncis	902	1865.2	1868.9	6 8 35.581	+0.0001	+5.3004	−0.0041	−0.086
385	5.1	46 ψ^1 Aurigae	926	1866.7	1863.6	6 15 16.227	+0.0001	+4.6258	−0.0043	−0.046
386	4.7	8 Monocerotis	931	1870.3	1870.3	6 17 8.685	−0.0012	+3.1808	+0.0007	
387	5.3	Camelop. 23 Hev.	—	1869.7	1870.5	6 24 51.823	-0.02^{17}_{43}	+10.3810	−0.1050	−1.170
388	6.0	8 Lyncis	946	1868.1	1867.8	6 26 15.723	−0.0306	+5.5274	−0.0170	−0.102
389	6.4	51 Aurigae	963	1870.2	1870.2	6 29 59.770	−0.0037	+4.1649	−0.0058	−0.027
390	5.8	56 ψ^5 Aurigae	985	1870.1	1870.1	6 37 43.643	−0.0034	+4.3326	−0.0092	−0.032

Zusatzsterne.

Cat. Nr.	Declination 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
351	+ 50° 29′ 1″.54	— 0″.173	+ 17″.131	— 0″.304	— 0″.30	+ 0ˢ.068	+ 0ˢ.0000	+ 0″.51	+ 0″.009	
352	+ 33 16 4.22	— 0.034	+ 16.919	— 0.285		+ 0.008	— 0.0007	— 0.16	+ 0.007	
353	— 6 59 56.90	— 0.109	+ 16.879	— 0.242		+ 0.027	— 0.0008	+ 0.84	+ 0.009	
354	+ 19 19 18.19	+ 0.010	+ 16.858	— 0.270		— 0.003	— 0.0017	— 0.14	+ 0.009	
355	+ 21 25 10.63	— 0.011	+ 15.818	— 0.311		— 0.017	— 0.0016	+ 0.75	+ 0.010	
356	+ 67 17 29.48	— 0.039	+ 15.689	— 0.467	— 0.55	+ 0.183	+ 0.0038	+ 0.46	+ 0.006	
357	+ 27 10 25.69	— 0.009	+ 15.578	— 0.329		+ 0.035	— 0.0013	+ 0.42	+ 0.008	
358	+ 78 55 17.32	+ 0.015	+ 14.811	— 0.761	— 1.51	+ 0.248	+ 0.0093	+ 1.18	+ 0.022	$10^m 5''$ $\Delta\mu$ —0ˢ.0001 [+ 0″.001
359	+ 19 15 8.41	+ 0.002	+ 13.900	— 0.364		— 0.019	— 0.0016	— 0.25	— 0.012	
360	+ 77 16 19.28	— 0.045	+ 13.897	— 0.778	— 1.27	+ 0.003	— 0.0155	+ 0.73	+ 0.022	
361	+ 59 30 8.71	+ 0.012	+ 12.960	— 0.540	— 0.40	+ 0.063	0	— 0.40	0	$9^m 2''.5$
362	+ 47 33 42.06	+ 0.019	+ 12.772	— 0.478	— 0.27	+ 0.083	+ 0.0012	+ 0.79	+ 0.020	6^m f. 2^s 6ˢ.5 nördl.
363	+ 62 48 32.22	+ 0.058	+ 12.116	— 0.603	— 0.45	+ 0.110	0	+ 0.40	0	
364	+ 70 56 38.06	— 0.051	+ 11.703	— 0.741	— 0.70	+ 0.168	0	+ 0.18	0	
365	+ 60 44 24.43	— 0.001	+ 11.033	— 0.622	— 0.39	+ 0.013	0	— 0.11	0	8.9^m 2″
366	— 7 9 54.39	+ 0.085	+ 9.587	— 0.379		0.000	— 0.0015	+ 0.66	+ 0.004	
367	+ 34 15 45.59	+ 0.001	+ 9.081	— 0.509		— 0.043	— 0.0019	+ 0.10	+ 0.024	
368	+ 53 38 11.44	— 0.009	+ 8.305	— 0.631	— 0.25	— 0.085	+ 0.0024	+ 0.88	+ 0.002	$7^m 10''$
369	+ 75 42 32.78	— 0.132	+ 7.508	— 1.077	— 0.82	+ 0.172	0	+ 0.06	0	
370	+ 22 42 54.32	— 0.009	+ 7.289	— 0.491		+ 0.024	— 0.0003	+ 0.57	+ 0.016	
371	+ 56 31 56.03	— 0.155	+ 7.056	— 0.681	— 0.24	— 0.018	— 0.0036	+ 0.48	+ 0.002	
372	+ 21 24 33.38	— 0.040	+ 5.559	— 0.504		— 0.006	— 0.0006	— 0.04	+ 0.000	
373	+ 79 4 54.16	+ 0.14$\frac{2}{4}$	+ 5.022	— 1.383	— 0.90	+ 0.217	0	+ 0.57	0	$8^m 20''$
374	+ 38 20 2.06	— 0.071	+ 4.777	— 0.583		+ 0.003	— 0.0027	— 0.10	— 0.003	
375	+ 62 57 33.48	— 0.006	+ 3.623	— 0.812	— 0.17	+ 0.195	+ 0.0017	+ 0.26	+ 0.007	
376	+ 9 24 10.23	— 0.002	+ 2.795	— 0.477		+ 0.029	— 0.0010	+ 0.46	+ 0.009	
377	+ 49 46 7.39	— 0.027	+ 2.077	— 0.675	— 0.05	+ 0.067	— 0.0010	+ 0.89	+ 0.005	
378	+ 17 40 48.68	+ 0.012	+ 1.735	— 0.509		+ 0.036	— 0.0012	+ 0.34	+ 0.011	
379	+ 54 16 19.23	— 0.116	+ 0.942	— 0.718	— 0.02	+ 0.015	+ 0.0002	+ 0.16	+ 0.008	
380	+ 4 9 49.68	— 0.013	+ 0.143	— 0.462		+ 0.062	— 0.0013	— 0.26	— 0.007	
381	+ 65 44 22.09	— 0.046	— 0.024	— 0.881	+ 0.01	+ 0.116	— 0.0020	+ 1.47	+ 0.018	
382	+ 14 46 52.73	— 0.013	— 0.038	— 0.500		— 0.022	— 0.0024	+ 0.33	+ 0.007	
383	+ 69 21 35.45	— 0.111	— 0.443	— 0.965	+ 0.04	+ 0.096	0	+ 0.27	0	
384	+ 59 3 10.45	+ 0.042	— 0.752	— 0.772	+ 0.04	— 0.214	— 0.0030	+ 0.46	+ 0.027	
385	+ 49 20 56.05	— 0.010	— 1.335	— 0.673	+ 0.04	+ 0.114	— 0.0007	+ 1.12	+ 0.008	
386	+ 4 39 15.74	+ 0.010	— 1.499	— 0.462		— 0.055	— 0.0018	— 0.20	— 0.001	$7^m 14''$
387	+ 79 41 36.52	— 0.658	— 2.171	— 1.504	+ 0.48	+ 0.073	0	+ 0.86	0	
388	+ 61 35 15.94	— 0.272	— 2.293	— 0.800	+ 0.11	+ 0.057	— 0.0000	+ 0.23	— 0.003	
389	+ 39 29 54.27	— 0.094	— 2.617	— 0.601	+ 0.06	+ 0.089	— 0.0001	— 1.25	— 0.000	
390	+ 43 41 57.52	+ 0.147	— 3.286	— 0.623	+ 0.09	— 0.013	— 0.0034	+ 0.35	— 0.026	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.
391	5.1	43 Camelopardi	980	1861.6	1866.2	$6^h\,40^m\,12^s.929$	$+0^s.0002$	$+6^s.5070$	$-0^s.0459$	$-0^s.195$
392	5.0	18 Monocerotis	995	1868.3	1868.3	6 41 20.584	— 0.002	+ 3.1307	— 0.0007	
393	4.6	Camelop. 24 Hev.	—	1871.4	1871.4	6 41 48.344	+ 0.0230	+ 8.8273	— 0.1153	— 0.617
394	4.7	15 Lyncis	998	1867.5	1869.6	6 46 26.858	+ 0.0001	+ 5.2163	— 0.0252	— 0.075
395	5.0	63 Aurigae	1032	1869.8	1869.4	7 3 3.316	+ 0.0030	+ 4.1337	— 0.0133	— 0.023
396	6.0	64 Aurigae	1052	1868.9	1870.5	7 9 20.553	+ 0.0005	+ 4.1857	— 0.0157	— 0.024
397	5.1	19 Lyncis seq.	1056	1869.8	1869.8	7 12 39.681	— 0.0040	+ 4.9215	— 0.0326	— 0.052
398	4.8	62 ϱ Geminorum	1078	1870.7	1870.5	7 21 4.155	+ 0.0088	+ 3.8569	— 0.0124	
399	5.1	24 Lyncis	1096	1866.5	1860.5	7 32 25.270	— 0.0057	+ 5.1188	— 0.0492	— 0.054
400	6.0	80 π Geminorum	1114	1870.0	1869.9	7 39 26.674	— 0.0011	+ 3.8819	— 0.0162	
401	5.4	Gr. 1374	—	1869.4	1869.1	7 45 11.515	— 0.0109	+ 7.3215	— 0.1818	— 0.179
402	6.1	26 Lyncis	1126	1866.5	1864.6	7 45 36.254	— 0.0055	+ 4.3969	— 0.0312	— 0.024
403	6.0	53 Camelopardi	1135	1869.8	1869.8	7 51 1.055	— 0.0008	+ 5.1774	— 0.0630	— 0.046
404	5.0	χ Geminorum	1149	1868.0	1866.7	7 55 50.312	— 0.0025	+ 3.6980	— 0.0148	
405	4.6	27 Lyncis	1154	1867.3	1867.3	7 59 2.748	— 0.0097	+ 4.5505	— 0.0414	— 0.024
406	5.1	Br. 1147	1147	1870.8	1870.0	8 3 46.926	+ 0.0033	+ 7.7177	— 0.2562	— 0.128
407	5.0	31 Lyncis	1183	1870.0	1868.8	8 14 16.353	+ 0.0005	+ 4.1326	— 0.0311	— 0.012
408	6.4	Gr. 1450	—	1870.4	1870.1	8 24 47.147	— 0.0151	+ 3.9287	— 0.0265	
409	5.8	33 η Cancri	1207	1869.4	1868.4	8 25 28.699	— 0.0039	+ 3.4826	— 0.0130	
410	6.0	Gr. 1466	—	1871.9	1871.9	8 25 45.570	— 0.0030	+ 6.8389	— 0.2204	— 0.013
411	5.6	Gr. 1460	—	1870.7	1873.1	8 30 1.259	— 0.0108	+ 4.4873	— 0.0516	— 0.011
412	5.8	57 σ^2 Cancri med.	1255	1870.6	1871.2	8 46 36.871	+ 0.0020	+ 3.6737	— 0.0215	
413	5.0	8 ϱ Ursae maj.	1257	1870.8	1870.0	8 51 14.756	— 0.0036	+ 5.5138	— 0.1365	+ 0.024
414	6.0	Gr. 1501	—	1871.2	1873.2	8 54 50.214	+ 0.0041	+ 4.4410	— 0.0605	+ 0.002
415	5.0	13 σ^2 Ursae maj.	1276	1869.2	1868.3	8 59 22.056	+ 0.0002	+ 5.3767	— 0.1336	+ 0.034
416	5.0	36 Lyncis	1295	1866.2	1866.7	9 5 37.348	+ 0.0003	+ 3.9542	— 0.0376	+ 0.002
417	5.8	83 Cancri	1309	1868.6	1868.2	9 12 0.174	— 0.0090	+ 3.3670	— 0.0134	
418	4.6	24 d Ursae maj.	1324	1869.5	1869.5	9 23 23.705	— 0.0119	+ 5.4399	— 0.1706	+ 0.101
419	4.8	10 Leonis min.	1340	1868.1	1868.2	9 26 33.644	+ 0.0008	+ 3.6964	— 0.0295	
420	5.8	Gr. 1564	—	1871.9	1872.0	9 31 30.826	— 0.0177	+ 5.2658	— 0.1625	+ 0.106
421	6.0	Gr. 1586	—	1871.1	1870.1	9 47 9.715	— 0.0230	+ 5.5398	— 0.2246	+ 0.224
422	5.1	19 Leonis min.	1392	1867.5	1868.3	9 50 1.347	— 0.0117	+ 3.7110	— 0.0360	+ 0.012
423	5.0	29 π Leonis	1398	1868.5	1868.0	9 53 36.409	— 0.0040	+ 3.1787	— 0.0081	
424	5.0	Urs. maj. 30 Hev.	1429	1869.5	1868.7	10 15 5.657	— 0.007	+ 4.4116	— 0.1175	+ 0.099
425	5.0	Camelop. 30 Hev.	—	1871.7	1871.7	10 15 39.000	-0.05^{40}_{30}	+ 7.9974	— 0.9506	+ 3.061
426	4.3	31 Leonis min.	1448	1866.3	1869.6	10 20 39.014	— 0.0112	+ 3.5008	— 0.0297	
427	5.0	36 Ursae maj.	1454	1870.7	1869.8	10 22 36.867	— 0.0235	+ 3.9087	— 0.0672	+ 0.042
428	5.1	37 Ursae maj.	1464	1870.3	1870.4	10 27 5.750	+ 0.0054	+ 3.9071	— 0.0703	+ 0.048
429	5.1	Urs. maj. 35 Hev.	—	1872.4	1872.2	10 34 5.373	+ 0.0028	+ 4.3976	— 0.1433	+ 0.161
430	5.3	41 Leonis min.	1485	1872.0	1870.7	10 36 37.015	— 0.0105	+ 3.2825	— 0.0165	

Zusatzsterne.

Cat. Nr.	Declination 1875.0	E.B.	Praec.	Saec.Var.	3.Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
391	+ 69° 1′ 47″.45	+ 0″.038	— 3″.501	— 0″.933	+ 0″.25	+ 0ˢ.015	— 0ˢ.0038	+ 0″.85	+ 0″.041	
392	+ 2 32 49.16	— 0.012	— 3.598	— 0.448		— 0.007	— 0.0013	+ 0.24	+ 0.026	
393	+ 77 7 52.68	— 0.014	— 3.638	— 1.264	+ 0.55	— 0.094	0	+ 0.47	0	
394	+ 58 35 0.67	— 0.123	— 4.037	— 0.743	+ 0.16	+ 0.024	+ 0.0004	+ 1.15	+ 0.028	dpl. 0″.5, 5ᵐ und 6ᵐ
395	+ 39 31 19.54	+ 0.020	— 5.448	— 0.578	+ 0.12	+ 0.010	— 0.0013	— 0.06	+ 0.001	
396	+ 41 6 10.40	+ 0.023	— 5.976	— 0.580	+ 0.14	— 0.011	+ 0.0021	— 0.43	+ 0.004	
397	+ 55 30 50.85	— 0.028	— 6.252	— 0.679	+ 0.22	+ 0.098	— 0.0016	+ 1.12	+ 0.027	7ᵐ 15″
398	+ 32 1 51.27	+ 0.195	— 6.947	— 0.525		+ 0.040	— 0.0017	+ 0.70	+ 0.007	
399	+ 58 59 59.97	— 0.059	— 7.870	— 0.683	+ 0.30	+ 0.085	+ 0.0029	+ 0.43	+ 0.015	
400	+ 33 43 13.23	— 0.006	— 8.431	— 0.510		+ 0.016	— 0.0014	— 0.74	+ 0.011	11ᵐ 23″
401	+ 74 14 52.64	— 0.034	— 8.885	— 0.953	+ 0.83	+ 0.368	0	+ 0.58	0	
402	+ 47 53 10.69	— 0.020	— 8.917	— 0.570	+ 0.23	+ 0.199	+ 0.0021	+ 0.94	+ 0.003	25 L. 13ˢ v. 11′ S.
403	+ 60 39 48.40	— 0.028	— 9.339	— 0.664	+ 0.36	— 0.023	— 0.0003	+ 0.35	— 0.000	
404	+ 28 8 34.57	— 0.039	— 9.710	— 0.468		— 0.000	— 0.0013	+ 0.95	+ 0.003	
405	+ 51 51 52.92	+ 0.002	— 9.955	— 0.572	+ 0.28	+ 0.090	— 0.0003	+ 0.39	— 0.001	
406	+ 76 8 4.85	+ 0.00	— 10.312	— 0.961	+ 1.09	— 0.183	— 0.0102	+ 1.42	+ 0.005	$\Delta\mu$ — 0ˢ.0001
407	+ 43 35 13.61	— 0.107	— 11.089	— 0.497	+ 0.24	— 0.014	+ 0.0010	+ 0.72	+ 0.001	
408	+ 38 26 35.23	— 0.208	— 11.843	— 0.457		+ 0.243	0	+ 1.62	0	
409	+ 20 51 51.16	— 0.047	— 11.892	— 0.404		— 0.003	— 0.0005	+ 0.36	— 0.007	
410	+ 74 3 48.25	— 0.103	— 11.912	— 0.797	+ 0.93	— 0.093	0	+ 0.85	0	
411	+ 53 8 51.28	— 0.031	— 12.210	— 0.514	+ 0.32	+ 0.268	0	+ 0.69	0	
412	+ 31 3 4.26	— 0.021	— 13.328	— 0.394		+ 0.105	+ 0.0008	+ 0.16	— 0.001	dpl. 1″.5, 6ᵐ.3 u. 6ᵐ.8
413	+ 68 6 52.14	+ 0.016	— 13.629	— 0.584	+ 0.62	+ 0.111	+ 0.0050	+ 0.27	+ 0.008	
414	+ 54 46 28.97	+ 0.024	— 13.858	— 0.462	+ 0.35	— 0.045	0	— 0.55	0	
415	+ 67 38 23.26	— 0.064	— 14.141	— 0.550	+ 0.60	+ 0.140	+ 0.0058	+ 0.81	+ 0.012	8.9ᵐ 3″
416	+ 43 43 53.54	— 0.035	— 14.524	— 0.391	+ 0.27	— 0.025	+ 0.0017	+ 1.08	+ 0.020	
417	+ 18 14 2.30	— 0.139	— 14.903	— 0.322		— 0.013	+ 0.0002	+ 0.09	— 0.003	
418	+ 70 22 40.61	+ 0.076	— 15.552	— 0.494	+ 0.67	— 0.007	— 0.0000	+ 0.19	+ 0.016	
419	+ 36 57 4.44	— 0.010	— 15.725	— 0.328		— 0.119	— 0.0002	— 0.04	+ 0.005	
420	+ 69 48 16.81	— 0.077	— 15.990	— 0.457	+ 0.64	+ 0.286	0	+ 0.95	0	
421	+ 73 28 20.53	— 0.041	— 16.779	— 0.435	+ 0.76	+ 0.167	0	+ 0.58	0	
422	+ 41 38 59.00	— 0.006	— 16.915	— 0.283	+ 0.26	+ 0.026	+ 0.0004	+ 0.09	+ 0.016	
423	+ 8 38 34.72	— 0.011	— 17.081	— 0.236		+ 0.007	— 0.0005	+ 0.23	+ 0.007	
424	+ 66 11 51.11	— 0.014	— 17.990	— 0.276	+ 0.44	— 0.029	— 0.0035	+ 1.59	+ 0.041	
425	+ 83 11 34.32	+ 0.032	— 18.011	— 0.505	+ 2.04	+ 0.130	0	— 0.15	0	
426	+ 37 20 49.00	— 0.077	— 18.199	— 0.207		+ 0.016	— 0.0009	+ 0.43	+ 0.025	
427	+ 56 37 14.55	— 0.032	— 18.271	— 0.227	+ 0.32	— 0.193	— 0.0061	+ 0.62	+ 0.016	
428	+ 57 43 32.46	+ 0.039	— 18.429	— 0.217	+ 0.32	— 0.001	— 0.0025	+ 1.47	+ 0.029	
429	+ 69 43 44.95	— 0.032	— 18.662	— 0.227	+ 0.45	— 0.169	0	+ 0.68	0	
430	+ 23 50 31.62	+ 0.026	— 18.742	— 0.162		— 0.008	— 0.0025	+ 0.75	+ 0.026	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.
431	5.0	42 Leonis min.	1490	1869.4	1869.3	$10^h\,38^m\,54^s.621$	$-0^s.0036$	$+3^s.3543$	$-0^s.0226$	
432	5.1	55 *l* Leonis	1500	1868.8	1868.3	10 42 41.159	−0.0015	+3.1599	−0.0081	
433	6.0	Br. 1508	1508	1872.0	1872.1	10 49 53.476	$-0.026\frac{3}{1}$	+5.0405	−0.3203	$+0^s.685$
434	4.8	63 χ Leonis	1535	1868.5	1868.4	10 58 34.104	−0.0255	+3.1221	−0.0056	
435	6.0	Gr. 1757	—	1870.1	1869.4	11 9 38.725	−0.0094	+3.4215	−0.0439	+0.032
436	6.1	Gr. 1771	—	1871.0	1869.2	11 15 24.623	−0.0174	+3.6269	−0.0864	+0.094
437	6.0	58 Ursae maj.	1574	1869.9	1869.9	11 23 44.932	−0.0062	+3.2746	−0.0323	+0.024
438	4.8	91 *v* Leonis	1586	1867.3	1869.9	11 30 32.927	−0.0018	+3.0718	+0.0003	
439	5.3	3 Draconis	1595	1870.1	1868.1	11 35 29.082	−0.0063	+3.4158	−0.0871	+0.110
440	5.8	Gr. 1852	—	1872.4	1871.0	11 58 52.097	$+0.044\frac{9}{5}$	+3.1023	−0.1367	+0.316
441	5.9	2 Canum ven.	1640	1869.3	1869.3	12 9 51.481	+0.0025	+3.0216	−0.0229	+0.021
442	5.3	6 Canum ven.	1664	1866.7	1864.7	12 19 41.328	−0.0059	+2.9770	−0.0201	+0.019
443	6.0	20 Comae Beren.	1676	1869.7	1869.7	12 23 26.436	+0.0033	+3.0182	−0.0081	
444	5.6	74 Ursae maj.	1678	1866.6	1870.4	12 24 6.659	−0.0063	+2.8377	−0.0387	+0.043
445	4.3	8 Canum ven.	1686	1864.0	1868.2	12 27 48.213	−0.0650	+2.9264	−0.0207	+0.020
446	5.2	24 Comae Ber. seq.	1688	1870.1	1870.1	12 28 51.549	−0.0006	+3.0142	−0.0063	
447	6.0	76 Ursae maj.	1703	1869.9	1871.3	12 36 5.825	−0.0062	+2.6535	−0.0387	+0.049
448	5.0	8 Draconis	1727	1870.8	1869.2	12 50 29.620	+0.003	+2.4124	−0.0331	+0.047
449	4.3	51 ϑ Virginis	1747	1868.8	1869.7	13 3 28.737	−0.0043	+3.1034	+0.0078	
450	5.6	17 Canum ven.	1751	1871.0	1870.9	13 4 18.689	−0.0083	+2.7706	−0.0133	+0.015
451	4.6	20 Canum ven.	1765	1869.4	1869.2	13 11 56.143	−0.0129	+2.7105	−0.0132	+0.015
452	5.7	Gr. 2001	—	1871.4	1869.7	13 22 56.964	−0.0024	+1.5199	+0.0078	−0.006
453	5.3	Urs. maj. 69 Hev.	—	1871.3	1871.3	13 23 51.697	−0.0093	+2.2236	−0.0155	+0.022
454	5.5	Can. ven. 17 Hev.	—	1868.2	1867.2	13 29 12.819	+0.0043	+2.6783	−0.0093	
455	6.0	Gr. 2029	—	1871.4	1872.2	13 34 10.996	−0.0088	+1.4403	+0.0126	−0.012
456	5.0	10 *i* Draconis	1823	1869.2	1869.1	13 47 46.908	−0.0017	+1.7526	−0.0005	+0.006
457	6.0	11 Bootis	1830	1871.0	1871.1	13 55 30.403	−0.0069	+2.7291	−0.0033	
458	5.0	12 *d* Bootis	1839	1870.2	1872.0	14 4 41.885	−0.0020	+2.7394	−0.0018	
459	5.0	4 Ursae min.	1859	1870.3	1866.8	14 9 22.034	−0.0138	−0.3320	+0.1553	−0.299
460	6.0	Gr. 2125	—	1870.8	1872.8	14 28 19.267	−0.0093	+1.6313	+0.0061	−0.001
461	5.6	33 Bootis	1878	1865.6	1863.6	14 34 11.101	−0.0072	+2.2407	−0.0021	+0.007
462	5.8	Gr. 2164	—	1866.8	1869.7	14 48 16.109	−0.0167	+1.5330	+0.0091	−0.004
463	6.0	P. XIV. 221	—	1871.5	1873.1	14 50 19.295	−0.0014	+2.8306	+0.0035	
464	5.0	Urs. min. 2 Hev.	—	1871.0	1870.0	14 55 36.127	−0.0074	+0.9471	+0.0282	−0.023
465	4.3	43 ψ Bootis	1922	1869.3	1868.8	14 59 5.384	−0.0145	+2.5834	+0.0011	
466	5.8	3 Serpentis	1932	1869.6	1870.3	15 8 58.634	−0.0020	+2.9794	+0.0066	
467	5.3	Urs. min. 1 Hev.	—	1870.8	1870.6	15 13 12.617	+0.0364	+0.6234	+0.0384	−0.031
468	5.4	9 τ^1 Serpentis	1948	1869.6	1869.8	15 19 59.579	−0.0039	+2.7811	+0.0040	
469	5.0	54 φ Bootis	1982	1863.5	1863.5	15 33 20.323	+0.0051	+2.1478	+0.0024	+0.002
470	5.3	Drac. 12 Hev.	—	1871.8	1871.7	15 44 45.948	+0.0070	+0.8933	+0.0225	−0.013

Zusatzsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
431	+ 31° 20′ 24″.43	— 0″.017	— 18″.812	— 0″.161		— 0ˢ.028	— 0ˢ.0019	+ 1″.08	+ 0″.029	
432	+ 11 12 21.67	— 0.020	— 18.924	— 0.144		+ 0.019	— 0.0004	+ 0.41	— 0.002	
433	+ 78 26 20.97	— 0.026	— 19.123	— 0.213	+ 0″.66	— 0.226	— 0.0053	+ 0.72	— 0.004	$\Delta\mu$ +0ˢ.0006 +0″.001
434	+ 8 0 40.69	— 0.022	— 19.338	— 0.112		+ 0.009	— 0.0004	+ 1.04	+ 0.036	
435	+ 50 9 29.51	— 0.013	— 19.572	— 0.100	+ 0.23	+ 0.002	0	+ 0.79	0	
436	+ 65 0 51.27	+ 0.027	— 19.676	— 0.094	+ 0.27	+ 0.307	0	+ 0.85	0	
437	+ 43 51 33.24	+ 0.070	— 19.804	— 0.067	+ 0.20	+ 0.009	— 0.0009	+ 0.24	— 0.015	
438	— 0 8 1.68	+ 0.047	— 19.889	— 0.049		+ 0.029	— 0.0007	+ 0.52	+ 0.005	
439	+ 67 26 12.03	+ 0.033	— 19.940	— 0.045	+ 0.23	+ 0.042	+ 0.0006	+ 0.72	— 0.001	
440	+ 77 36 17.82	— 0.114	— 20.054	+ 0.006	+ 0.17	+ 0.078	0	+ 1.59	0	
441	+ 41 21 22.46	— 0.031	— 20.036	+ 0.028	+ 0.16	— 0.005	+ 0.0003	+ 0.68	+ 0.002	8^m 11″
442	+ 39 42 43.88	— 0.026	— 19.980	+ 0.046	+ 0.15	+ 0.056	+ 0.0011	+ 0.53	+ 0.020	
443	+ 21 35 18.61	— 0.017	— 19.949	+ 0.054		— 0.088	— 0.0044	+ 0.03	+ 0.008	
444	+ 59 5 37.48	+ 0.100	— 19.943	+ 0.020	+ 0.13	— 0.054	— 0.0002	+ 1.01	+ 0.034	
445	+ 42 2 12.98	+ 0.285	— 19.907	+ 0.060	+ 0.14	+ 0.045	— 0.0009	— 0.13	— 0.008	
446	+ 19 3 55.68	+ 0.031	— 19.895	+ 0.064		— 0.076	— 0.0022	+ 0.61	+ 0.006	$6^m.7$ 20″
447	+ 63 23 58.60	— 0.018	— 19.806	+ 0.069	+ 0.11	+ 0.020	— 0.0028	+ 0.51	+ 0.010	
448	+ 66 7 1.08	— 0.051	— 19.569	+ 0.085	+ 0.08	— 0.085	— 0.0000	+ 1.12	+ 0.003	
449	— 4 52 15.92	— 0.037	— 19.290	+ 0.132		— 0.007	— 0.0012	+ 0.86	+ 0.001	9^m 7″
450	+ 39 9 49.19	+ 0.046	— 19.270	+ 0.120	+ 0.12	— 0.047	— 0.0030	— 0.61	— 0.004	15 C. 22ˢ v. 2′2 N.
451	+ 41 13 52.16	+ 0.021	— 19.074	+ 0.130	+ 0.11	+ 0.026	— 0.0020	— 0.48	— 0.009	
452	+ 73 2 27.76	— 0.023	— 18.755	+ 0.086	+ 0.04	+ 0.321	0	+ 0.40	0	
453	+ 60 35 30.74	+ 0.008	— 18.727	+ 0.124	+ 0.07	— 0.045	0	+ 1.55	0	
454	+ 37 49 24.06	— 0.007	— 18.554	+ 0.156		+ 0.058	0	+ 0.60	0	
455	+ 71 52 43.27	+ 0.011	— 18.385	+ 0.092	+ 0.04	+ 0.121	0	— 0.12	0	
456	+ 65 20 28.50	— 0.014	— 17.877	+ 0.123	+ 0.05	— 0.072	— 0.0067	+ 0.65	— 0.001	
457	+ 27 59 28.27	+ 0.018	— 17.561	+ 0.200		+ 0.039	— 0.0009	+ 0.39	+ 0.005	
458	+ 25 41 4.76	— 0.081	— 17.158	+ 0.214		— 0.055	— 0.0017	+ 0.22	— 0.028	
459	+ 78 8 5.68	+ 0.036	— 16.943	— 0.019	+ 0.20	— 0.242	— 0.0103	+ 0.76	+ 0.018	$\Delta\mu$ +0ˢ.0002 —0″.001
460	+ 60 46 37.05	— 0.026	— 15.999	+ 0.150	+ 0.04	+ 0.109	0	+ 2.78	0	
461	+ 44 56 41.30	— 0.056	— 15.685	+ 0.210	+ 0.06	+ 0.027	+ 0.0008	— 0.47	— 0.039	
462	+ 59 48 9.40	+ 0.169	— 14.887	+ 0.156	+ 0.04	+ 0.033	0	— 0.56	0	
463	+ 14 57 9.55	+ 0.020	— 14.766	+ 0.286		— 0.036	0	— 0.50	0	
464	+ 66 25 50.96	+ 0.059	— 14.450	+ 0.102	+ 0.06	— 0.172	0	— 0.11	0	
465	+ 27 26 9.83	— 0.008	— 14.236	+ 0.271		— 0.001	— 0.0014	+ 0.50	+ 0.001	
466	+ 5 24 16.74	+ 0.003	— 13.614	+ 0.325		+ 0.013	— 0.0008	+ 0.14	+ 0.022	
467	+ 67 49 18.13	— 0.392	— 13.340	+ 0.074	+ 0.07	— 0.030	0	— 0.19	0	
468	+ 15 52 8.22	+ 0.005	— 12.891	+ 0.316		+ 0.044	— 0.0011	— 0.42	— 0.011	
469	+ 40 45 40.70	+ 0.053	— 11.975	+ 0.256	+ 0.05	+ 0.055	— 0.0006	— 1.09	— 0.030	
470	+ 62 59 10.74	— 0.063	— 11.158	+ 0.113	+ 0.05	— 0.057	0	+ 0.48	0	

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.
471	5.1	Gr. 2296	—	1871.4	1871.4	$15^h\,54^m\,49^s.565$	$-0^s.0254$	$+1^s.4344$	$+0^s.0099$	$-0^s.004$
472	5.8	19 Ursae min.	2096	1869.8	1870.0	16 14 24.769	— 0.005	— 1.8002	+ 0.1265	— 0.062
473	5.0	24 ω Herculis	2090	1870.4	1870.4	16 19 38.863	— 0.003	+ 2.7631	+ 0.0044	
474	5.1	21 η Ursae min.	2111	1870.5	1870.2	16 21 10.848	— 0.019	— 1.8146	+ 0.1189	— 0.044
475	5.6	Gr. 2343	—	1866.3	1871.7	16 21 41.416	+ 0.0040	+ 1.3039	+ 0.0103	— 0.005
476	6.0	Gr. 2373	—	1872.0	1872.0	16 36 2.870	$-0.020\frac{3}{9}$	— 2.6498	+ 0.1424	— 0.001
477	5.0	Gr. 2377	—	1866.9	1870.2	16 42 55.730	+ 0.0051	+ 1.1284	+ 0.0108	— 0.005
478	6.0	49 Herculis	2144	1869.4	1869.7	16 46 23.445	+ 0.0003	+ 2.7279	+ 0.0040	
479	5.0	60 Herculis	2167	1869.9	1870.0	16 59 34.924	+ 0.0030	+ 2.7763	+ 0.0039	
480	6.0	Gr. 2415	—	1872.5	1872.5	17 3 42.143	— 0.0084	+ 1.9576	+ 0.0037	— 0.001
481	5.8	77 x Herculis	2211	1862.9	1863.4	17 23 25.461	— 0.0028	+ 1.5873	+ 0.0044	— 0.002
482	5.3	27 f Draconis	2234	1867.9	1870.2	17 32 27.992	— 0.0070	— 0.2487	+ 0.0153	+ 0.001
483	5.0	28 ω Draconis	2238	1869.9	1868.8	17 37 41.113	+ 0.0027	— 0.3610	+ 0.0138	+ 0.003
484	4.6	31 ψ Drac. austr.	2251	1866.1	1869.9	17 44 9.897	— 0.0006	— 1.0843	+ 0.0155	+ 0.021
485	5.0	35 Draconis	2287	1869.7	1870.5	17 55 2.830	$+0.013\frac{2}{8}$	— 2.7071	+ 0.0124	+ 0.121
486	5.4	Gr. 2533	—	1869.6	1870.0	18 11 45.489	— 0.0078	+ 1.8651	+ 0.0020	— 0.002
487	5.0	36 Draconis	2309	1867.5	1867.5	18 13 10.585	+ 0.0518	+ 0.2920	— 0.0005	— 0.003
488	5.1	39 b Draconis	2328	1869.5	1869.5	18 22 5.078	— 0.0051	+ 0.8811	— 0.0004	— 0.004
489	4.3	43 φ Draconis	2334	1867.4	1872.3	18 22 32.908	— 0.0001	— 0.8519	— 0.0112	+ 0.014
490	6.0	Gr. 2655	—	1864.1	1871.9	18 35 46.608	+ 0.0086	— 2.8594	— 0.0572	+ 0.115
491	6.0	Gr. 2640	—	1870.6	1872.7	18 35 49.620	— 0.0030	+ 0.1908	— 0.0077	— 0.003
492	4.3 ... 4.6	13 R Lyrae	2389	1868.6	1868.7	18 51 31.901	+ 0.0014	+ 1.8232	+ 0.0008	— 0.001
493	5.1	52 v Draconis	2411	1864.4	1868.8	18 55 55.377	+ 0.0103	— 0.7234	— 0.0305	+ 0.001
494	5.0	18 ι Lyrae	2414	1870.0	1870.2	19 2 50.521	— 0.0007	+ 2.1404	+ 0.0012	
495	5.6	25 ω Aquilae	2432	1868.7	1867.7	19 11 56.963	— 0.0014	+ 2.8165	— 0.0003	
496	4.3	21 ϑ Lyrae	2438	1869.4	1870.0	19 12 1.775	— 0.0042	+ 2.0820	+ 0.0011	
497	6.3	Gr. 2900	—	1871.4	1871.4	19 29 12.926	$+0.001\frac{7}{9}$	— 3.5056	— 0.1977	+ 0.015
498	4.6	13 ϑ Cygni	2498	1866.0	1868.0	19 33 5.372	— 0.0033	+ 1.6121	— 0.0015	— 0.002
499	5.3	15 Cygni	2514	1868.8	1868.8	19 39 46.149	+ 0.0064	+ 2.1570	+ 0.0012	
500	4.3	33 Cygni	2611	1871.4	1868.9	20 10 29.493	+ 0.0098	+ 1.3911	— 0.0055	— 0.003
501	5.8	24 Vulpeculae	2606	1868.9	1868.9	20 11 26.174	+ 0.0004	+ 2.5655	+ 0.0011	
502	4.3	1 $\varkappa$ Cephei	2632	1866.3	1869.9	20 13 3.673	— 0.0014	— 1.9019	— 0.1651	— 0.134
503	5.0	7 $\varkappa$ Delphini	2663	1869.9	1869.9	20 33 3.498	+ 0.0197	+ 2.8938	— 0.0016	
504	5.3	73 Draconis	2682	1869.5	1869.0	20 33 8.072	+ 0.0018	— 0.7186	— 0.1009	— 0.098
505	4.8	Cephei 6 Hev.	—	1868.9	1872.4	20 42 14.921	— 0.0121	+ 1.5003	— 0.0045	— 0.002
506	4.6	54 λ Cygni	2692	1869.0	1868.7	20 42 32.415	— 0.0011	+ 2.3342	+ 0.0031	
507	5.3	32 Vulpeculae	2709	1868.9	1867.9	20 49 14.016	— 0.0016	+ 2.5557	+ 0.0026	
508	6.0	76 Draconis	2754	1872.2	1869.0	20 51 30.679	$-0.014\frac{0}{2}$	— 3.9581	— 0.5233	— 0.971
509	5.9	Br. 2749	2749	1864.2	1868.0	20 53 11.652	$-0.007\frac{7}{5}$	— 2.4928	— 0.3095	— 0.489
510	5.8	Br. 2777	2777	1870.9	1870.7	21 7 57.659	+ 0.0068	— 1.0821	— 0.1724	— 0.262

*) Begl. $11^m\,10''$; 8^m folgt im Parallel 14^s.

Zusatzsterne.

Cat. Nr.	Declination 1875.0	E.B.	Praec.	Saec.Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
471	+ 55° 6′ 12″.89	+ 0″.104	— 10″.417	+ 0″.183	+ 0″.04	+ 0ˢ.209	0	+ 0″.52	0	
472	+ 76 11 29.01	+ 0.003	— 8.916	— 0.231	+ 0.30	— 0.057	— 0ˢ.0066	+ 0.63	+ 0″.010	$\Delta\mu$ + 0ˢ.0001 — 0″.001
473	+ 14 19 20.82	— 0.033	— 8.503	+ 0.369		+ 0.128	— 0.0044	— 1.46	— 0.003	
474	+ 76 2 33.14	+ 0.254	— 8.381	— 0.237	+ 0.29	— 0.151	— 0.0072	+ 0.87	+ 0.013	E.B. AR — $0^s.01^{88}_{92}$
475	+ 55 29 24.21	— 0.012	— 8.341	+ 0.177	+ 0.03	— 0.092	0	+ 1.50	0	[$\Delta\mu$ — 0″.002
476	+ 77 41 38.18	+ 0.278	— 7.183	— 0.358	+ 0.37	— 0.198	0	+ 0.33	0	
477	+ 57 0 20.97	+ 0.056	— 6.618	+ 0.158	+ 0.03	+ 0.038	0	+ 0.47	0	
478	+ 15 11 7.70	— 0.001	— 6.331	+ 0.380		+ 0.046	+ 0.0001	+ 0.34	— 0.009	
479	+ 12 54 50.28	— 0.002	— 5.226	+ 0.393		— 0.012	— 0.0008	— 0.38	— 0.007	
480	+ 40 40 49.40	— 0.014	— 4.877	+ 0.279	+ 0.02	+ 0.238	0	— 0.66	0	
481	+ 48 21 56.75	— 0.034	— 3.187	+ 0.223	+ 0.01	+ 0.098	— 0.0009	+ 0.88	— 0.007	
482	+ 68 12 52.12	+ 0.125	— 2.404	— 0.035	+ 0.04	+ 0.087	— 0.0014	+ 0.53	+ 0.010	
483	+ 68 48 55.78	+ 0.308	— 1.950	— 0.052	+ 0.03	+ 0.076	— 0.0007	+ 0.80	+ 0.004	
484	+ 72 12 34.50	— 0.268	— 1.385	— 0.157	+ 0.04	+ 0.097	+ 0.0019	+ 0.35	— 0.002	$5^m.8$ 31″
485	+ 76 58 40.03	+ 0.239	— 0.433	— 0.395	+ 0.04	+ 0.239	+ 0.0029	+ 0.17	+ 0.005	$\Delta\mu$ + 0ˢ.0020 + 0″.001
486	+ 42 7 3.90	+ 0.004	+ 1.028	+ 0.271	— 0.00	+ 0.239	+ 0.0000	+ 0.60	+ 0.001	
487	+ 64 21 18.22	+ 0.013	+ 1.152	+ 0.042	— 0.00	+ 0.010	— 0.0014	+ 0.88	+ 0.016	
488	+ 58 43 43.31	+ 0.049	+ 1.929	+ 0.127	— 0.00	+ 0.165	+ 0.0031	— 0.19	— 0.006	8^m 3″; 7^m 89″
489	+ 71 16 15.10	+ 0.020	+ 1.970	— 0.125	— 0.03	— 0.202	— 0.0024	+ 0.43	— 0.004	dpl. 0″.6, 4.5^m u. 6.7^m
490	+ 77 26 51.71	— 0.015	+ 3.118	— 0.413	— 0.15	— 0.283	0	— 0.15	0	
491	+ 65 22 36.83	+ 0.027	+ 3.122	+ 0.026	— 0.02	+ 0.304	0	+ 2.50	0	
492	+ 43 46 56.45	+ 0.07	+ 4.471	+ 0.257	— 0.02	+ 0.029	— 0.0017	+ 0.50	— 0.006	
493	+ 71 7 46.90	+ 0.031	+ 4.845	— 0.104	— 0.07	+ 0.101	+ 0.0004	— 0.01	+ 0.003	
494	+ 35 54 19.03	+ 0.009	+ 5.430	+ 0.298		+ 0.021	— 0.0008	+ 0.80	+ 0.015	
495	+ 11 22 17.16	+ 0.025	+ 6.193	+ 0.388		+ 0.036	— 0.0003	+ 0.34	+ 0.016	
496	+ 37 54 43.39	0.000	+ 6.200	+ 0.286		— 0.003	— 0.0043	+ 0.86	+ 0.013	
497	+ 79 21 1.11	— 0.032	+ 7.611	— 0.476	— 0.52	+ 0.091	0	— 0.47	0	
498	+ 49 55 56.79	+ 0.239	+ 7.923	+ 0.213	— 0.02	+ 0.070	— 0.0005	+ 1.37	+ 0.014	
499	+ 37 3 12.11	+ 0.042	+ 8.457	+ 0.282		+ 0.054	+ 0.0002	+ 0.25	+ 0.010	
500	+ 56 11 8.75	+ 0.06	+ 10.811	+ 0.166	— 0.03	— 0.021	+ 0.0010	+ 0.49	— 0.004	
501	+ 24 17 13.37	— 0.032	+ 10.881	+ 0.310		— 0.017	— 0.0014	— 0.84	— 0.013	
502	+ 77 20 2.23	+ 0.014	+ 11.000	— 0.237	— 0.37	+ 0.142	— 0.0018	+ 0.52	+ 0.015	8^m 7″ $\Delta\mu$ — 0ˢ.0001
503	+ 9 38 49.66	+ 0.012	+ 12.419	+ 0.326		+ 0.069	— 0.0009	— 0.35	— 0.000	*)
504	+ 74 31 33.05	— 0.021	+ 12.425	— 0.088	— 0.20	+ 0.103	+ 0.0032	+ 0.65	+ 0.009	
505	+ 57 7 53.87	— 0.246	+ 13.041	+ 0.161	— 0.04	+ 0.159	0	+ 0.23	0	
506	+ 36 1 55.69	+ 0.018	+ 13.060	+ 0.253		+ 0.058	— 0.0004	— 0.05	+ 0.018	dpl. 0″.6, 5^m und 6.7^m
507	+ 27 34 59.17	— 0.002	+ 13.499	+ 0.270		+ 0.052	— 0.0012	+ 0.12	— 0.001	
508	+ 82 3 59.67	+ 0.008	+ 13.646	— 0.429	— 1.12	+ 0.039	— 0.0183	+ 0.27	+ 0.003	$\Delta\mu$ — 0ˢ.0006 — 0″.001
509	+ 80 4 56.52	— 0.04	+ 13.753	— 0.271	— 0.62	+ 0.066	+ 0.0012	+ 0.43	+ 0.003	$\Delta\mu$ + 0ˢ.0004 — 0″.001
510	+ 77 37 8.18	+ 0.023	+ 14.664	— 0.114	— 0.30	— 0.151	— 0.0044	+ 0.90	+ 0.009	$\Delta\mu$ + 0″.001

Cat. Nr.	Grösse	Flamst. Nr. und Name des Sterns	Bradl. Nr.	Epoche AR	Epoche Decl.	Rectascension 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.
511	5.8	Gr. 3415	—	1869.3	1869.3	$21^h\ 8^m 37^s.280$	$-0^s.0013$	$+1^s.5305$	$-0^s.0041$	$-0^s.002$
512	4.3	1 Pegasi	2780	1870.8	1871.1	21 16 18.332	+0.0064	+2.7661	+0.0019	
513	5.0	71 *g* Cygni	2799	1868.0	1868.1	21 24 50.242	+0.0023	+2.2052	+0.0064	+0.007
514	5.0	74 Cygni	2818	1870.0	1870.0	21 31 56.406	−0.0010	+2.4004	+0.0071	+0.008
515	6.0	Cephei 13 Hev.	—	1870.9	1874.0	21 35 4.927	+0.0009	+1.8590	+0.0040	+0.006
516	5.0	11 Cephei	2856	1870.5	1870.2	21 40 5.033	+0.0207	+0.8792	−0.0332	−0.040
517	4.3	81 π^2 Cygni	2855	1869.7	1869.6	21 42 10.615	+0.0011	+2.2103	+0.0088	+0.009
518	5.3	16 Pegasi	2864	1869.4	1868.3	21 47 22.540	−0.0005	+2.7260	+0.0053	
519	5.8	20 Pegasi	2879	1871.4	1870.6	21 55 0.012	+0.0032	+2.9182	+0.0013	
520	5.8	20 Cephei	2911	1872.8	1873.2	22 1 12.564	+0.0021	+1.8172	+0.0058	+0.008
521	4.8	24 Cephei	2932	1869.4	1868.8	22 7 24.028	+0.0021	+1.1622	−0.0221	−0.030
522	4.3	43 ϑ Aquarii	2929	1866.4	1868.6	22 10 14.228	+0.0057	+3.1633	−0.0076	
523	4.8	31 Pegasi	2944	1870.3	1871.0	22 15 21.937	−0.0013	+2.9515	+0.0019	
524	4.4	3 Lacertae	2956	1866.9	1869.0	22 18 38.833	−0.0036	+2.3503	+0.0152	+0.015
525	5.1	31 Cephei	2994	1865.9	1868.9	22 32 40.865	+0.0416	+1.4467	−0.0072	−0.009
526	5.0	10 Lacertae	2990	1870.9	1870.9	22 33 39.262	+0.0011	+2.6824	+0.0140	
527	5.3	30 Cephei	2996	1870.2	1869.0	22 34 13.171	−0.0026	+2.1156	+0.0184	+0.022
528	6.0	13 Lacertae	3005	1868.6	1871.8	22 38 31.172	−0.0029	+2.6654	+0.0158	+0.015
529	4.6	33 π Cephei	3074	1871.0	1869.8	23 3 55.600	+0.0038	+1.8875	+0.0237	+0.046
530	6.0	Br. 3077	3077	1871.9	1871.8	23 7 16.252	+0.249	+2.6120	+0.0300	+0.030
531	4.6	62 τ Pegasi	3096	1870.7	1870.1	23 14 27.113	+0.0009	+2.9599	+0.0110	
532	4.6	68 υ Pegasi	3114	1868.9	1868.4	23 19 8.524	+0.0112	+2.9730	+0.0112	
533	5.8	4 Cassiopejae	3115	1870.4	1869.0	23 19 17.552	+0.0010	+2.6354	+0.0387	+0.043
534	5.3	8 $\varkappa$ Piscium	3116	1866.8	1868.6	23 20 31.470	+0.0041	+3.0700	−0.0000	
535	5.0	70 Pegasi	3122	1869.9	1869.9	23 22 50.041	+0.0013	+3.0261	+0.0060	
536	5.6	72 Pegasi	3134	1870.2	1870.2	23 27 45.260	+0.0019	+2.9612	+0.0164	
537	5.6	Cephei 41 Hev.	3166	1869.8	1869.5	23 41 56.712	−0.004	+2.8230	+0.0601	+0.078
538	5.6	81 φ Pegasi	3176	1871.4	1871.5	23 46 7.840	−0.0033	+3.0453	+0.0109	
539	4.8	7 ϱ Cassiopejae	3182	1870.6	1870.6	23 48 8.812	−0.0032	+2.9666	+0.0437	+0.041

Zusatzsterne.

Cat. Nr.	Declination 1875.0	E. B.	Praec.	Saec. Var.	3. Gl.	Correction des vorläufigen Catalogs $\Delta\alpha$	$+(t-1875)$	$\Delta\delta$	$+(t-1875)$	Bemerkungen
511	$+59^\circ 28' 22''.75$	$-0''.018$	$+14''.704$	$+0''.145$	$-0''.04$	$+0^s.056$	0	$+0''.53$	0	dpl. 1, $6^m.2$ und $7^m.2$
512	$+19\ 16\ 14.10$	+0.075	+15.153	+0.258		−0.018	$-0^s.0014$	+0.45	$+0''.010$	
513	$+45\ 59\ 23.68$	+0.096	+15.631	+0.195	−0.06	+0.107	0	−0.18	−0.009	6.7^m f. 10^s 7′ südl.
514	$+39\ 51\ 9.07$	+0.009	+16.013	+0.204	−0.07	+0.058	−0.0005	−0.61	+0.000	
515	$+56\ 55\ 27.27$	−0.015	+16.177	+0.153	−0.05	−0.079	0	+0.79	0	$8^m 12''$; $8^m 20''$
516	$+70\ 44\ 10.27$	+0.080	+16.432	+0.066	−0.06	−0.037	−0.0049	+0.80	−0.001	
517	$+48\ 43\ 54.31$	−0.021	+16.536	+0.175	−0.06	+0.042	+0.0012	+1.03	−0.004	
518	$+25\ 20\ 15.75$	−0.002	+16.789	+0.210		+0.050	−0.0009	+0.35	−0.000	
519	$+12\ 31\ 18.42$	−0.050	+17.145	+0.213		−0.007	−0.0020	−0.35	+0.011	
520	$+62\ 10\ 34.66$	+0.045	+17.420	+0.124	−0.05	+0.178	+0.0056	+1.51	+0.012	
521	$+71\ 43\ 32.70$	−0.007	+17.682	+0.073	−0.05	−0.009	−0.0038	+0.89	+0.007	
522	$-\ 8\ 24\ 17.93$	−0.019	+17.798	+0.205		+0.021	+0.0156	+0.47	+0.003	
523	$+11\ 34\ 33.48$	+0.010	+18.000	+0.182		+0.034	−0.0005	+0.25	+0.019	
524	$+51\ 36\ 11.67$	−0.203	+18.125	+0.139	−0.07	+0.035	−0.0021	+0.19	−0.006	$11^m 15''$
525	$+72\ 59\ 40.48$	+0.023	+18.616	+0.070	−0.04	+0.165	+0.0060	+0.88	+0.027	
526	$+38\ 24\ 0.34$	0.000	+18.648	+0.136		−0.027	+0.0010	+0.45	+0.013	
527	$+62\ 56\ 5.76$	−0.039	+18.666	+0.105	−0.06	−0.040	+0.0001	+0.44	−0.002	
528	$+41\ 9\ 48.64$	+0.012	+18.800	+0.127	−0.11	+0.023	−0.0016	−0.77	+0.000	
529	$+74\ 42\ 42.95$	−0.041	+19.457	+0.058	−0.05	+0.022	+0.0039	+0.62	−0.001	$7.8^m 1''$
530	$+56\ 28\ 42.26$	+0.284	+19.526	+0.078	−0.10	+0.074	+0.0014	+0.92	+0.017	
531	$+23\ 3\ 22.61$	−0.014	+19.660	+0.077		+0.007	−0.0005	+0.11	+0.007	
532	$+22\ 42\ 57.97$	+0.039	+19.736	+0.068		−0.010	−0.0026	+0.22	+0.012	
533	$+61\ 35\ 47.86$	−0.021	+19.739	+0.059	−0.10	+0.026	−0.0012	−0.01	−0.007	
534	$+\ 0\ 34\ 17.27$	−0.102	+19.758	+0.068		−0.005	−0.0018	+0.40	+0.013	
535	$+12\ 4\ 15.48$	+0.030	+19.791	+0.063		+0.030	−0.0019	+0.23	+0.011	
536	$+30\ 38\ 7.47$	−0.005	+19.856	+0.052		+0.138	+0.0007	+0.36	+0.018	
537	$+67\ 6\ 44.49$	−0.010	+19.992	+0.024	−0.13	+0.102	−0.0025	+0.41	−0.002	
538	$+18\ 25\ 33.66$	−0.042	+20.018	+0.018		+0.013	−0.0024	−0.25	−0.019	
539	$+56\ 48\ 13.68$	−0.012	+20.027	+0.014	−0.15	+0.097	−0.0012	−0.02	−0.001	

Berichtigungen.

S. 15.	Nr.	32.	Declination		st. 41°6 l. 41°7
„ 17.	„	132.	„		„ 42.2 „ 42.3
„ 37.	„	32.	Corr. AR, Mittel		„ $+0^s.113$ l. $+0^s.112$
„ 40.	„	161.	„	„	„ — 0.024 „ — 0.025
„ 42.	„	278.	„	„	„ + 0.081 „ + 0.086
„ „	„	282.	„	„	„ + 0.046 „ + 0.048

„ 52. Anm. Es ist noch hinzuzufügen, dass für Nr. 121 die V.J.S. XIII. angegebenen Correctionen der Declination für 1865 und 1885, für Nr. 424 diejenigen der Rectascension mit einander zu vertauschen sind.

Anhang I.

Epochen der Rectascensionen des Pulkowaer Hauptstern-Catalogs für 1845.

Obs. de Poulk. Vol. I.

β Cassiopejae	1847.25	μ Ceti	1850.92	ε Aurigae	1847.25	β Cancri	1846.34
ι Ceti	1846.71	π Ceti	1851.70	ζ Aurigae	1847.92	o Ursae min.	1846.37
κ Cassiopejae	1847.10	η Persei	1847.81	η Aurigae	1847.06	30 Monocerotis	1847.13
ζ Cassiopejae	1847.10	41 Arietis	1849.98	β Eridani	1847.88	δ Cancri	1846.80
π Andromedae	1848.11	τ Persei	1848.22	λ Eridani	1847.61	ι Cancri	1847.51
ε Andromedae	1850.68	η Eridani	1847.53	τ Orionis	1847.42	ε Hydrae	1846.64
δ Andromedae	1849.53	γ Persei	1847.75	η Orionis	1849.00	ζ Hydrae	1846.68
β Ceti	1847.22	ϱ Persei	1849.40	γ Orionis	1848.46	ι Ursae maj.	1847.10
ζ Andromedae	1847.72	ι Persei	1848.16	Gr. 966	1847.93	α Cancri	1846.70
η Cassiopejae	1847.78	β Persei	1846.94	δ Orionis	1849.14	10 Ursae maj.	1847.04
γ Cassiopejae	1846.79	o Tauri	1847.44	λ Orionis	1848.12	κ Ursae maj.	1846.10
μ Andromedae	1847.90	ξ Tauri	1847.60	ϑ Orionis pr.	1849.70	ϑ Hydrae	1846.71
ε Piscium	1847.73	f Tauri	1848.99	ϑ Orionis seq.	1847.52	38 Lyncis	1847.35
μ Cassiopejae	1848.22	ε Eridani	1847.81	ι Orionis	1851.87	40 Lyncis	1846.60
η Ceti	1849.94	δ Persei	1846.81	ζ Tauri	1848.34	Draconis 1 Hev.	1846.92
β Andromedae	1848.56	o Persei	1848.72	ε Orionis	1847.52	h Ursae maj.	1846.72
τ Piscium	1848.31	ν Persei	1848.55	σ Orionis	1847.93	ϑ Ursae maj.	1847.89
υ Piscium	1848.23	17 Tauri	1851.20	ζ Orionis	1847.10	o Leonis	1846.71
δ Cassiopejae	1847.91	δ Eridani	1849.76	ζ Leporis	1848.50	ε Leonis	1847.26
ϑ Ceti	1851.37	η Tauri	1849.55	κ Orionis	1847.29	υ Ursae maj.	1846.89
η Piscium	1848.02	27 Tauri	1850.31	ν Aurigae	1847.42	μ Leonis	1846.49
υ Persei	1847.62	ζ Persei	1847.52	β Aurigae	1847.41	η Leonis	1847.47
φ Persei	1847.43	ε Persei	1847.17	ϑ Aurigae	1848.03	λ Hydrae	1846.64
o Piscium	1848.38	ξ Persei	1848.51	η Leporis	1850.04	λ Ursae maj.	1846.68
ε Cassiopejae	1847.67	Gr. 750	1849.90	η Geminorum	1847.10	ζ Leonis	1846.19
ζ Ceti	1850.89	γ Eridani	1849.18	μ Geminorum	1847.53	γ Leonis	1846.74
α Trianguli	1849.06	λ Tauri	1847.86	β Canis maj.	1847.58	μ Ursae maj.	1846.89
γ Arietis	1853.18	ν Tauri	1847.48	γ Geminorum	1847.89	μ Hydrae	1846.16
ξ Piscium	1849.82	c Persei	1847.31	15 Monocerotis	1848.65	Draconis 9 Hev.	1846.86
β Arietis	1848.88	γ Tauri	1847.38	ε Geminorum	1847.79	ϱ Leonis	1845.26
50 Cassiopejae	1847.31	δ Tauri	1847.67	ξ Geminorum	1848.06	ν Hydrae	1845.84
α Piscium	1847.62	ε Tauri	1847.55	α Canis maj.	1847.39	46 Leonis min.	1845.89
γ Andromedae	1847.47	ν Eridani	1851.79	ϑ Geminorum	1847.24	β Ursae maj.	1846.91
β Trianguli	1848.71	53 Eridani	1847.92	ζ Geminorum	1848.10	α Ursae maj.	1846.99
o Ceti	1850.66	μ Eridani	1847.40	λ Geminorum	1846.92	ψ Ursae maj.	1846.95
ι Cassiopejae	1847.72	9 Camelopardi	1847.19	δ Geminorum	1848.60	δ Leonis	1847.88
ξ^2 Ceti	1849.41	π^3 Orionis	1843.90	Gr. 1308	1847.41	ϑ Leonis	1846.40
Cassiop. 36 Hev.	1848.03	π^4 Orionis	1850.75	ι Geminorum	1847.14	ξ Ursae maj.	1845.92
δ Ceti	1847.96	π^5 Orionis	1847.32	β Canis min.	1847.11	ν Ursae maj.	1846.58
ϑ Persei	1848.89	ι Aurigae	1848.15	κ Geminorum	1847.24	δ Crateris	1850.56
γ Ceti	1849.06	10 Camelopardi	1847.16	ι Navis	1845.74	σ Leonis	1845.08

ι Leonis	1845.71	ϑ Coronae	1847.56	ν Ophiuchi	1845.17	γ Delphini	1845.82
λ Draconis	1846.40	δ Serpentis	1846.51	ξ Draconis	1848.10	ε Cygni	1846.96
χ Ursae maj.	1847.16	ζ Coronae	1845.91	ϑ Herculis	1847.13	η Cephei	1846.47
Gr. 1830	1844.71	γ Coronae	1846.62	ξ Herculis	1848.89	ν Cygni	1846.38
o Virginis	1845.87	β Serpentis	1846.27	67 Ophiuchi	1847.62	ξ Cygni	1845.99
Draconis 4 Hev.	1847.26	μ Serpentis	1845.25	72 Ophiuchi	1845.00	61 Cygni	1845.92
δ Ursae maj.	1846.78	ϰ Serpentis	1847.92	o Herculis	1847.74	ζ Cygni	1845.88
η Virginis	1846.09	ε Serpentis	1845.24	η Serpentis	1845.60	α Equulei	1845.88
δ Corvi	1844.48	γ Serpentis	1844.82	109 Herculis	1846.07	τ Cygni	1846.00
ϰ Draconis	1846.79	ζ Ursae min.	1849.86	χ Draconis	1847.44	α Cephei	1846.31
γ Virginis	1845.88	ε Coronae	1845.37	110 Herculis	1847.78	β Aquarii	1845.58
ε Ursae maj.	1847.43	β Scorpii	1845.17	ε Lyrae	1846.94	β Cephei	1846.10
δ Virginis	1846.67	ϑ Draconis	1847.62	5 Lyrae	1844.71	ε Pegasi	1845.42
12 Can. ven.	1847.82	φ Herculis	1847.21	β Lyrae	1846.97	ϰ Pegasi	1846.84
ε Virginis	1845.96	δ Ophiuchi	1846.69	ϑ Serpentis	1845.30	ι Aquarii	1846.85
43 Comae	1847.33	ε Ophiuchi	1844.93	ε Aquilae	1845.94	ι Pegasi	1846.25
ζ Ursae maj.	1847.64	γ Herculis	1845.45	γ Lyrae	1847.17	27 Pegasi	1845.75
ζ Virginis	1845.82	τ Herculis	1846.74	λ Aquilae	1847.18	ϑ Pegasi	1846.64
η Bootis	1847.72	α Scorpii	1845.30	ζ Aquilae	1846.36	π Pegasi	1845.72
τ Virginis	1846.75	η Draconis	1849.40	π Sagittarii	1844.97	ζ Cephei	1847.17
α Draconis	1848.24	λ Ophiuchi	1845.17	δ Draconis	1847.49	γ Aquarii	1845.81
ι Virginis	1846.74	β Herculis	1846.30	ϰ Cygni	1847.50	ζ Aquarii	1846.10
λ Bootis	1848.13	A Draconis	1846.52	δ Aquilae	1846.14	δ Cephei	1849.82
ϑ Bootis	1848.25	ζ Ophiuchi	1845.42	τ Draconis	1847.28	7 Lacertae	1846.59
ϱ Bootis	1845.86	σ Herculis	1846.97	β Cygni	1846.37	η Aquarii	1846.34
γ Bootis	1846.57	ξ Herculis	1845.48	ι Cygni	1847.00	Gr. 3834	1848.01
π Bootis	1845.71	η Herculis	1846.67	δ Cygni	1847.11	ξ Pegasi	1848.32
ζ Bootis	1845.82	ϰ Ophiuchi	1846.39	δ Sagittae	1846.46	η Pegasi	1846.48
μ Virginis	1846.98	ε Herculis	1845.62	η Aquilae	1847.13	λ Pegasi	1846.43
ε Bootis	1846.32	η Ophiuchi	1845.98	ε Draconis	1846.69	τ Aquarii	1847.54
109 Virginis	1845.87	ε Ursae min.	1849.02	ψ Cygni	1847.00	μ Pegasi	1846.43
ξ Bootis	1846.29	ζ Draconis	1847.34	γ Sagittae	1845.89	ι Cephei	1847.45
β Ursae min.	1849.19	δ Herculis	1847.26	ϑ Aquilae	1845.45	λ Aquarii	1847.94
β Bootis	1845.69	π Herculis	1846.49	o¹ Cygni	1846.85	o Andromedae	1847.70
β Librae	1846.16	ϱ Herculis	1846.11	β Capricorni	1846.13	β Pegasi	1848.66
δ Bootis	1845.02	β Draconis	1849.18	γ Cygni	1846.18	γ Piscium	1846.94
μ Bootis	1845.60	ν Draconis pr.	1846.84	ε Delphini	1844.83	λ Andromedae	1846.92
γ Ursae min.	1847.26	ν Draconis seq.	1846.58	ϑ Cephei	1847.13	ι Andromedae	1848.41
β Coronae	1844.90	ι Herculis	1846.82	β Delphini	1845.68	ι Piscium	1849.44
ι Draconis	1848.32	β Ophiuchi	1844.72	α Delphini	1845.82	ϰ Andromedae	1847.41
ν Bootis pr.	1846.53	γ Ophiuchi	1844.62	δ Delphini	1846.56	γ Cephei	1847.36
ν Bootis seq.	1848.28	μ Herculis	1847.34	ε Aquarii	1846.05	ω Piscium	1847.00

Anhang II.

Tafel zur Reduction der mit den Bessel'schen Constanten für 1860 berechneten Variatio saecularis auf die mit den Struve'schen Constanten für 1875 berechnete Variatio saecularis.

Berechnet von Dr. G. Müller.

	$0^h\,0^m$	$0^h\,30^m$	$1^h\,0^m$	$1^h\,30^m$	$2^h\,0^m$	$2^h\,30^m$	$3^h\,0^m$	$3^h\,30^m$	$4^h\,0^m$	$4^h\,30^m$	$5^h\,0^m$	$5^h\,30^m$	$6^h\,0^m$	$6^h\,30^m$	$7^h\,0^m$	$7^h\,30^m$	$8^h\,0^m$	
	Reduction der Var. saec. AR, in $0^s.00001$.																	
−10°	−16.1	−16.2	−16.4	−16.5	−16.7	−16.8	−16.9	−17.0	−17.0	−17.1	−17.1	−17.1	−17.1	−17.0	−16.9	−16.9	−16.8	−10°
− 5	−15.9	−16.0	−16.1	−16.2	−16.2	−16.3	−16.3	−16.4	−16.4	−16.4	−16.4	−16.4	−16.4	−16.4	−16.4	−16.3	−16.3	− 5
0	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	−15.8	0
+ 5	−15.7	−15.6	−15.5	−15.4	−15.4	−15.3	−15.3	−15.2	−15.2	−15.2	−15.2	−15.2	−15.2	−15.2	−15.2	−15.3	−15.3	+ 5
10	−15.5	−15.4	−15.2	−15.1	−14.9	−14.8	−14.7	−14.6	−14.6	−14.5	−14.5	−14.5	−14.5	−14.6	−14.7	−14.7	−14.8	10
15	−15.4	−15.2	−14.9	−14.7	−14.5	−14.3	−14.2	−14.0	−13.9	−13.9	−13.9	−13.9	−13.9	−14.0	−14.1	−14.2	−14.3	15
20	−15.3	−14.9	−14.6	−14.3	−14.0	−13.8	−13.6	−13.4	−13.3	−13.2	−13.2	−13.2	−13.2	−13.3	−13.4	−13.6	−13.8	20
25	−15.1	−14.7	−14.3	−13.9	−13.5	−13.2	−13.0	−12.7	−12.6	−12.5	−12.4	−12.4	−12.5	−12.6	−12.8	−13.0	−13.3	25
30	−15.0	−14.4	−13.9	−13.4	−13.0	−12.6	−12.3	−12.0	−11.8	−11.7	−11.6	−11.6	−11.7	−11.8	−12.0	−12.3	−12.7	30
35	−14.8	−14.1	−13.5	−12.9	−12.4	−11.9	−11.5	−11.2	−11.0	−10.8	−10.7	−10.7	−10.8	−11.0	−11.2	−11.6	−12.0	35
+ 40	−14.6	−13.8	−13.1	−12.4	−11.7	−11.2	−10.7	−10.3	−10.0	− 9.8	− 9.7	− 9.7	− 9.8	−10.0	−10.3	−10.7	−11.2	+ 40
+ 45	−14.3	−13.4	−12.5	−11.7	−10.9	−10.2	− 9.6	− 9.1	− 8.8	− 8.6	− 8.5	− 8.5	− 8.7	− 8.9	− 9.3	− 9.8	−10.3	+ 45
47	−14.2	−13.2	−12.3	−11.3	−10.5	− 9.8	− 9.2	− 8.7	− 8.3	− 8.0	− 8.0	− 8.0	− 8.2	− 8.3	− 8.8	− 9.4	−10.1	47
49	−14.1	−13.1	−12.0	−11.0	−10.1	− 9.4	− 8.7	− 8.2	− 7.8	− 7.5	− 7.4	− 7.4	− 7.6	− 7.9	− 8.3	− 9.0	− 9.6	49
51	−14.0	−12.9	−11.8	−10.7	− 9.7	− 8.9	− 8.2	− 7.6	− 7.2	− 6.9	− 6.8	− 6.8	− 7.0	− 7.3	− 7.8	− 8.5	− 9.2	51
53	−13.9	−12.6	−11.4	−10.3	− 9.3	− 8.4	− 7.6	− 7.0	− 6.5	− 6.2	− 6.1	− 6.2	− 6.3	− 6.7	− 7.3	− 7.9	− 8.7	53
55	−13.7	−12.4	−11.0	− 9.9	− 8.8	− 7.8	− 7.0	− 6.3	− 5.8	− 5.5	− 5.3	− 5.4	− 5.6	− 6.0	− 6.6	− 7.3	− 8.1	55
57	−13.5	−12.1	−10.7	− 9.4	− 8.3	− 7.2	− 6.3	− 5.6	− 5.1	− 4.7	− 4.5	− 4.6	− 4.8	− 5.2	− 5.9	− 6.6	− 7.5	57
59	−13.4	−11.8	−10.3	− 8.9	− 7.6	− 6.4	− 5.5	− 4.7	− 4.1	− 3.8	− 3.6	− 3.7	− 3.9	− 4.3	− 5.1	− 5.9	− 6.9	59
61	−13.2	−11.4	− 9.8	− 8.3	− 6.9	− 5.7	− 4.6	− 3.8	− 3.1	− 2.8	− 2.6	− 2.6	− 2.9	− 3.5	− 4.2	− 5.0	− 6.2	61
63	−12.9	−11.0	− 9.3	− 7.6	− 6.1	− 4.8	− 3.7	− 2.7	− 2.0	− 1.6	− 1.4	− 1.4	− 1.8	− 2.4	− 3.1	− 4.2	− 5.3	63
65	−12.7	−10.6	− 8.7	− 6.8	− 5.2	− 3.7	− 2.5	− 1.5	− 0.8	− 0.3	− 0.1	− 0.1	− 0.5	− 1.1	− 1.9	− 3.1	− 4.3	65
+ 67	−12.4	−10.1	− 7.9	− 6.0	− 4.1	− 2.5	− 1.2	− 0.1	+ 0.8	+ 1.2	+ 1.5	+ 1.4	+ 1.0	+ 0.3	− 0.7	− 1.8	− 3.3	+ 67
+ 69	−12.0	− 9.5	− 7.1	− 4.9	− 2.8	− 1.1	+ 0.4	+ 1.7	+ 2.6	+ 3.1	+ 3.3	+ 3.2	+ 2.8	+ 2.0	+ 1.0	− 0.4	− 2.0	+ 69
70	−11.8	− 9.2	− 6.6	− 4.3	− 2.1	− 0.2	+ 1.4	+ 2.7	+ 3.6	+ 4.1	+ 4.4	+ 4.3	+ 3.8	+ 3.0	+ 1.9	+ 0.5	− 1.2	70
71	−11.5	− 8.8	− 6.0	− 3.5	− 1.3	+ 0.7	+ 2.4	+ 3.7	+ 4.8	+ 5.4	+ 5.6	+ 5.4	+ 4.9	+ 4.1	+ 2.8	+ 1.3	− 0.5	71
72	−11.3	− 8.3	− 5.5	− 2.8	− 0.4	+ 1.7	+ 3.5	+ 5.0	+ 6.0	+ 6.6	+ 6.9	+ 6.8	+ 6.2	+ 5.2	+ 3.9	+ 2.4	+ 0.5	72
73	−11.0	− 7.8	− 4.8	− 1.9	+ 0.6	+ 2.8	+ 4.8	+ 6.2	+ 7.4	+ 8.1	+ 8.3	+ 8.2	+ 7.5	+ 6.5	+ 5.2	+ 3.4	+ 1.4	73
74	−10.7	− 7.3	− 4.0	− 1.1	+ 1.8	+ 4.1	+ 6.2	+ 7.7	+ 9.0	+ 9.6	+ 10.0	+ 9.7	+ 9.1	+ 8.0	+ 6.5	+ 4.7	+ 2.5	74
75	−10.3	− 6.7	− 3.2	0.0	+ 3.0	+ 5.5	+ 7.8	+ 9.4	+ 10.8	+ 11.5	+ 11.7	+ 11.5	+ 10.8	+ 9.7	+ 8.1	+ 6.1	+ 3.7	75
76	− 9.9	− 5.9	− 2.2	+ 1.3	+ 4.5	+ 7.3	+ 9.6	+ 11.5	+ 12.8	+ 13.6	+ 13.9	+ 13.6	+ 12.8	+ 11.5	+ 9.8	+ 7.7	+ 5.1	76
77	− 9.5	− 5.2	− 1.1	+ 2.7	+ 6.1	+ 9.1	+ 11.7	+ 13.7	+ 15.1	+ 16.0	+ 16.3	+ 16.0	+ 15.1	+ 13.7	+ 11.8	+ 9.5	+ 6.8	77
78	− 8.9	− 4.2	+ 0.2	+ 4.4	+ 8.1	+ 11.4	+ 14.2	+ 16.3	+ 17.9	+ 18.8	+ 19.1	+ 18.8	+ 17.8	+ 16.2	+ 14.1	+ 11.6	+ 8.6	78
79	− 8.3	− 3.1	+ 1.8	+ 6.4	+ 10.5	+ 14.1	+ 17.1	+ 19.5	+ 21.1	+ 22.2	+ 22.4	+ 22.0	+ 20.9	+ 19.2	+ 16.9	+ 14.0	+ 10.8	79
+ 80	− 7.5	− 1.8	+ 3.7	+ 8.7	+ 13.3	+ 17.3	+ 20.7	+ 23.2	+ 25.1	+ 26.2	+ 26.4	+ 25.9	+ 24.7	+ 22.7	+ 20.1	+ 17.0	+ 13.4	+ 80
	Reduction der Var. saec. Decl., in $0''.0001$.																	
−10°	+ 10.7	+ 10.3	+ 9.8	+ 9.0	+ 8.2	+ 7.2	+ 6.0	+ 4.8	+ 3.4	+ 2.1	+ 0.6	− 0.8	− 2.2	− 3.6	− 4.9	− 6.1	− 7.3	−10°
− 5	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.6	− 0.8	2.2	3.6	4.9	6.1	7.3	− 5
0	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.6	− 0.8	2.2	3.6	4.9	6.1	7.3	0
+ 5	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.6	− 0.8	2.2	3.6	4.9	6.1	7.3	+ 5
10	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.6	− 0.8	2.2	3.6	4.9	6.1	7.3	10
15	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.6	− 0.8	2.2	3.6	4.9	6.1	7.3	15
20	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.6	− 0.8	2.2	3.6	4.9	6.1	7.3	20
25	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.6	− 0.8	2.2	3.6	4.9	6.1	7.3	25
30	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.1	+ 0.5	− 0.9	2.3	3.7	5.0	6.1	7.3	30
35	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	2.0	+ 0.5	− 0.9	2.3	3.7	5.0	6.2	7.3	35
40	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.3	2.0	+ 0.5	− 0.9	2.3	3.7	5.0	6.2	7.4	40
45	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.7	3.3	2.0	+ 0.5	− 0.9	2.3	3.7	5.0	6.2	7.4	45
50	10.7	10.3	9.8	9.0	8.2	7.2	5.9	4.7	3.3	2.0	+ 0.5	− 0.9	2.3	3.7	5.0	6.2	7.4	50
55	10.7	10.3	9.8	9.0	8.2	7.2	5.9	4.7	3.3	2.0	+ 0.5	− 0.9	2.3	3.7	5.0	6.2	7.4	55
60	10.7	10.3	9.8	9.0	8.2	7.1	5.9	4.7	3.3	2.0	+ 0.4	− 1.0	2.4	3.8	5.1	6.2	7.4	60
65	10.7	10.3	9.8	9.0	8.1	7.1	5.9	4.7	3.2	1.9	+ 0.4	− 1.0	2.4	3.8	5.1	6.3	7.5	65
70	10.7	10.3	9.8	9.0	8.1	7.1	5.9	4.6	3.2	1.9	+ 0.4	− 1.1	2.5	3.9	5.1	6.3	7.5	70
75	10.7	10.3	9.8	8.9	8.1	7.1	5.8	4.6	3.1	1.8	+ 0.3	− 1.1	2.5	3.9	5.2	6.4	7.6	75
+ 80	+ 10.7	+ 10.3	+ 9.8	+ 8.9	+ 8.1	+ 7.1	+ 5.7	+ 4.5	+ 3.0	+ 1.6	+ 0.1	− 1.3	− 2.7	− 4.1	− 5.4	− 6.6	− 7.7	+ 80
	$0^h\,0^m$	$0^h\,30^m$	$1^h\,0^m$	$1^h\,30^m$	$2^h\,0^m$	$2^h\,30^m$	$3^h\,0^m$	$3^h\,30^m$	$4^h\,0^m$	$4^h\,30^m$	$5^h\,0^m$	$5^h\,30^m$	$6^h\,0^m$	$6^h\,30^m$	$7^h\,0^m$	$7^h\,30^m$	$8^h\,0^m$	

	$8^h\,0^m$	$8^h\,30^m$	$9^h\,0^m$	$9^h\,30^m$	$10^h\,0^m$	$10^h\,30^m$	$11^h\,0^m$	$11^h\,30^m$	$12^h\,0^m$	$12^h\,30^m$	$13^h\,0^m$	$13^h\,30^m$	$14^h\,0^m$	$14^h\,30^m$	$15^h\,0^m$	$15^h\,30^m$	$16^h\,0^m$	
Reduction der Var. saec. AR, in $0^s.00001$.																		
— 10°	— 16.8	— 16.6	— 16.5	— 16.4	— 16.2	— 16.0	— 15.9	— 15.7	— 15.5	— 15.4	— 15.2	— 15.1	— 14.9	— 14.8	— 14.7	— 14.6	— 14.6	— 10°
— 5	— 16.3	— 16.2	— 16.2	— 16.1	— 16.0	— 15.9	— 15.8	— 15.8	— 15.7	— 15.6	— 15.5	— 15.4	— 15.4	— 15.3	— 15.3	— 15.2	— 15.2	— 5
0	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	0
+ 5	— 15.3	— 15.4	— 15.4	— 15.5	— 15.6	— 15.7	— 15.8	— 15.8	— 15.9	— 16.0	— 16.1	— 16.2	— 16.2	— 16.3	— 16.3	— 16.4	— 16.4	+ 5
10	— 14.8	— 15.0	— 15.1	— 15.2	— 15.4	— 15.6	— 15.7	— 15.9	— 16.1	— 16.2	— 16.4	— 16.5	— 16.7	— 16.8	— 16.9	— 17.0	— 17.0	10
15	— 14.3	— 14.5	— 14.7	— 14.9	— 15.2	— 15.4	— 15.7	— 15.9	— 16.2	— 16.4	— 16.7	— 16.9	— 17.1	— 17.3	— 17.4	— 17.6	— 17.7	15
20	— 13.8	— 14.1	— 14.3	— 14.6	— 15.0	— 15.3	— 15.6	— 16.0	— 16.3	— 16.7	— 17.0	— 17.3	— 17.6	— 17.8	— 18.0	— 18.2	— 18.3	20
25	— 13.3	— 13.6	— 13.9	— 14.3	— 14.7	— 15.2	— 15.6	— 16.0	— 16.5	— 16.9	— 17.3	— 17.7	— 18.1	— 18.4	— 18.6	— 18.9	— 19.0	25
30	— 12.7	— 13.0	— 13.5	— 14.0	— 14.5	— 15.0	— 15.6	— 16.1	— 16.6	— 17.2	— 17.7	— 18.2	— 18.6	— 19.0	— 19.3	— 19.6	— 19.8	30
35	— 12.0	— 12.5	— 13.0	— 13.6	— 14.2	— 14.8	— 15.5	— 16.2	— 16.8	— 17.5	— 18.1	— 18.7	— 19.2	— 19.7	— 20.1	— 20.4	— 20.6	35
+ 40	— 11.2	— 11.8	— 12.4	— 13.1	— 13.9	— 14.6	— 15.4	— 16.2	— 17.0	— 17.8	— 18.5	— 19.2	— 19.9	— 20.4	— 20.9	— 21.3	— 21.6	+ 40
+ 45	— 10.3	— 10.9	— 11.7	— 12.5	— 13.4	— 14.4	— 15.4	— 16.3	— 17.3	— 18.2	— 19.1	— 19.9	— 20.5	— 21.2	— 21.8	— 22.3	— 22.6	+ 45
47	— 10.1	— 10.8	— 11.6	— 12.5	— 13.4	— 14.4	— 15.3	— 16.3	— 17.4	— 18.4	— 19.3	— 20.1	— 20.9	— 21.6	— 22.2	— 22.7	— 23.1	47
49	— 9.6	— 10.4	— 11.3	— 12.2	— 13.3	— 14.3	— 15.3	— 16.4	— 17.5	— 18.5	— 19.6	— 20.4	— 21.3	— 22.0	— 22.7	— 23.2	— 23.6	49
51	— 9.2	— 10.0	— 10.9	— 12.0	— 13.1	— 14.2	— 15.3	— 16.4	— 17.6	— 18.7	— 19.8	— 20.7	— 21.7	— 22.5	— 23.2	— 23.8	— 24.2	51
53	— 8.7	— 9.6	— 10.6	— 11.7	— 12.8	— 14.1	— 15.3	— 16.5	— 17.7	— 19.0	— 20.0	— 21.1	— 22.1	— 23.0	— 23.8	— 24.4	— 24.9	53
55	— 8.1	— 9.1	— 10.2	— 11.4	— 12.6	— 13.9	— 15.3	— 16.5	— 17.9	— 19.2	— 20.4	— 21.5	— 22.6	— 23.6	— 24.4	— 25.1	— 25.6	55
57	— 7.5	— 8.6	— 9.7	— 11.0	— 12.4	— 13.8	— 15.2	— 16.6	— 18.1	— 19.5	— 20.7	— 22.0	— 23.1	— 24.2	— 25.1	— 25.8	— 26.3	57
59	— 6.9	— 8.1	— 9.3	— 10.7	— 12.2	— 13.7	— 15.2	— 16.7	— 18.2	— 19.8	— 21.1	— 22.5	— 23.6	— 24.8	— 25.7	— 26.5	— 27.1	59
61	— 6.2	— 7.4	— 8.8	— 10.3	— 11.9	— 13.4	— 15.1	— 16.8	— 18.4	— 20.0	— 21.6	— 23.1	— 24.3	— 25.5	— 26.6	— 27.4	— 28.1	61
63	— 5.3	— 6.6	— 8.1	— 9.8	— 11.5	— 13.3	— 15.1	— 16.9	— 18.7	— 20.4	— 22.1	— 23.6	— 25.1	— 26.4	— 27.5	— 28.5	— 29.2	63
65	— 4.3	— 5.9	— 7.5	— 9.3	— 11.1	— 13.0	— 15.0	— 17.0	— 18.9	— 20.8	— 22.7	— 24.4	— 26.0	— 27.3	— 28.5	— 29.5	— 30.4	65
+ 67	— 3.3	— 4.9	— 6.7	— 8.6	— 10.7	— 12.8	— 15.0	— 17.1	— 19.2	— 21.3	— 23.3	— 25.2	— 26.9	— 28.5	— 29.8	— 30.9	— 31.8	+ 67
+ 69	— 2.0	— 3.8	— 5.8	— 7.9	— 10.2	— 12.5	— 14.9	— 17.3	— 19.6	— 21.9	— 24.1	— 26.1	— 28.0	— 29.7	— 31.2	— 32.5	— 33.4	+ 69
70	— 1.2	— 3.2	— 5.3	— 7.6	— 9.9	— 12.3	— 14.8	— 17.3	— 19.8	— 22.2	— 24.6	— 26.7	— 28.7	— 30.4	— 32.0	— 33.3	— 34.4	70
71	— 0.5	— 2.5	— 4.7	— 7.1	— 9.6	— 12.2	— 14.8	— 17.4	— 20.1	— 22.6	— 25.0	— 27.3	— 29.3	— 31.3	— 33.0	— 34.3	— 35.4	71
72	+ 0.5	— 1.7	— 4.1	— 6.6	— 9.2	— 12.0	— 14.8	— 17.6	— 20.3	— 22.9	— 25.5	— 28.0	— 30.2	— 32.1	— 33.9	— 35.4	— 36.6	72
73	+ 1.4	— 0.8	— 3.4	— 6.0	— 8.9	— 11.8	— 14.7	— 17.7	— 20.6	— 23.4	— 26.2	— 28.7	— 31.0	— 33.2	— 35.0	— 36.6	— 37.8	73
74	+ 2.5	+ 0.1	— 2.6	— 5.4	— 8.5	— 11.5	— 14.7	— 17.8	— 20.9	— 23.9	— 26.8	— 29.5	— 32.0	— 34.3	— 36.2	— 37.9	— 39.2	74
75	+ 3.7	+ 1.2	— 1.7	— 4.7	— 8.0	— 11.2	— 14.6	— 17.9	— 21.3	— 24.5	— 27.6	— 30.4	— 33.0	— 35.5	— 37.6	— 39.4	— 40.8	75
76	+ 5.1	+ 2.3	— 0.7	— 4.0	— 7.5	— 11.0	— 14.6	— 18.2	— 21.7	— 25.1	— 28.4	— 31.5	— 34.3	— 36.9	— 39.2	— 41.1	— 42.6	76
77	+ 6.8	+ 3.8	+ 0.4	— 3.1	— 6.8	— 10.6	— 14.5	— 18.4	— 22.1	— 25.8	— 29.3	— 32.7	— 35.7	— 38.5	— 40.9	— 43.1	— 44.7	77
78	+ 8.6	+ 5.3	+ 1.7	— 2.1	— 6.2	— 10.3	— 14.5	— 18.6	— 22.7	— 26.6	— 30.4	— 34.0	— 37.3	— 40.4	— 43.0	— 45.3	— 47.1	78
79	+ 10.8	+ 7.1	+ 3.2	— 1.0	— 5.4	— 9.9	— 14.4	— 18.9	— 23.3	— 27.7	— 31.8	— 35.6	— 39.3	— 42.5	— 45.5	— 47.9	— 49.9	79
+ 80	+ 13.4	+ 9.3	+ 4.9	+ 0.3	— 4.5	— 9.4	— 14.3	— 19.2	— 24.1	— 28.8	— 33.3	— 37.5	— 41.5	— 45.1	— 48.3	— 51.0	— 53.3	+ 80
Reduction der Var. saec. Decl., in $0''.0001$.																		
— 10°	— 7.3	— 8.3	— 9.1	— 9.8	— 10.4	— 10.7	— 10.9	— 10.9	— 10.7	— 10.3	— 9.8	— 9.0	— 8.2	— 7.2	— 6.0	— 4.8	— 3.4	— 10°
— 5	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	— 5
0	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	0
+ 5	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	+ 5
10	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	10
15	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	15
20	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	20
25	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	25
30	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	30
35	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.4	35
40	7.4	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.8	3.5	40
45	7.4	8.4	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.0	4.9	3.5	45
50	7.4	8.4	9.2	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.1	4.9	3.5	50
55	7.4	8.4	9.2	9.8	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.2	6.1	4.9	3.5	55
60	7.4	8.4	9.2	9.9	10.4	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.2	7.3	6.1	4.9	3.5	60
65	7.5	8.4	9.2	9.9	10.5	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.3	7.3	6.1	4.9	3.6	65
70	7.5	8.5	9.2	9.9	10.5	10.7	10.9	10.9	10.7	10.3	9.8	9.0	8.3	7.3	6.1	5.0	3.6	70
75	7.6	8.5	9.3	9.9	10.5	10.8	10.9	10.9	10.7	10.3	9.8	9.1	8.3	7.3	6.2	5.0	3.7	75
+ 80	— 7.7	— 8.6	— 9.4	— 10.0	— 10.5	— 10.8	— 10.9	— 10.9	— 10.7	— 10.3	— 9.8	— 9.1	— 8.3	— 7.4	— 6.3	— 5.1	— 3.8	+ 80
	$8^h\,0^m$	$8^h\,30^m$	$9^h\,0^m$	$9^h\,30^m$	$10^h\,0^m$	$10^h\,30^m$	$11^h\,0^m$	$11^h\,30^m$	$12^h\,0^m$	$12^h\,30^m$	$13^h\,0^m$	$13^h\,30^m$	$14^h\,0^m$	$14^h\,30^m$	$15^h\,0^m$	$15^h\,30^m$	$16^h\,0^m$	

	$16^h\,0^m$	$16^h\,30^m$	$17^h\,0^m$	$17^h\,30^m$	$18^h\,0^m$	$18^h\,30^m$	$19^h\,0^m$	$19^h\,30^m$	$20^h\,0^m$	$20^h\,30^m$	$21^h\,0^m$	$21^h\,30^m$	$22^h\,0^m$	$22^h\,30^m$	$23^h\,0^m$	$23^h\,30^m$	$24^h\,0^m$	
Reduction der Var. saec. AR, in $0^s.00001$.																		
— 10	— 14.6	— 14.5	— 14.5	— 14.5	— 14.5	— 14.6	— 14.7	— 14.7	— 14.8	— 15.0	— 15.1	— 15.2	— 15.4	— 15.6	— 15.7	— 15.9	— 16.1	— 10°
— 5	— 15.2	— 15.2	— 15.2	— 15.2	— 15.2	— 15.2	— 15.2	— 15.3	— 15.3	— 15.4	— 15.4	— 15.5	— 15.6	— 15.7	— 15.8	— 15.8	— 15.9	— 5
0	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	— 15.8	0
+ 5	— 16.4	— 16.4	— 16.4	— 16.4	— 16.4	— 16.4	— 16.4	— 16.3	— 16.3	— 16.2	— 16.2	— 16.1	— 16.0	— 15.9	— 15.8	— 15.8	— 15.7	+ 5
10	— 17.0	— 17.1	— 17.1	— 17.1	— 17.1	— 17.0	— 16.9	— 16.9	— 16.8	— 16.6	— 16.5	— 16.4	— 16.2	— 16.0	— 15.9	— 15.7	— 15.5	10
15	— 17.7	— 17.7	— 17.7	— 17.7	— 17.7	— 17.6	— 17.5	— 17.4	— 17.3	— 17.1	— 16.9	— 16.7	— 16.4	— 16.2	— 15.9	— 15.7	— 15.4	15
20	— 18.3	— 18.4	— 18.4	— 18.4	— 18.4	— 18.3	— 18.2	— 18.0	— 17.8	— 17.5	— 17.3	— 17.0	— 16.6	— 16.3	— 16.0	— 15.6	— 15.3	20
25	— 19.0	— 19.1	— 19.2	— 19.2	— 19.1	— 19.0	— 18.8	— 18.6	— 18.3	— 18.0	— 17.7	— 17.3	— 16.9	— 16.4	— 16.0	— 15.6	— 15.1	25
30	— 19.8	— 19.9	— 20.0	— 20.0	— 19.9	— 19.8	— 19.6	— 19.3	— 18.9	— 18.6	— 18.1	— 17.6	— 17.1	— 16.6	— 16.0	— 15.5	— 15.0	30
35	— 20.6	— 20.8	— 20.9	— 20.9	— 20.8	— 20.6	— 20.4	— 20.0	— 19.6	— 19.1	— 18.6	— 18.0	— 17.4	— 16.8	— 16.1	— 15.4	— 14.8	35
+ 40	— 21.6	— 21.8	— 21.9	— 21.9	— 21.8	— 21.6	— 21.3	— 20.9	— 20.4	— 19.8	— 19.2	— 18.5	— 17.7	— 17.0	— 16.2	— 15.4	— 14.6	+ 40
+ 45	— 22.6	— 23.0	— 23.1	— 23.1	— 22.9	— 22.7	— 22.3	— 21.8	— 21.1	— 20.5	— 19.7	— 18.9	— 18.0	— 17.2	— 16.2	— 15.3	— 14.3	+ 45
47	— 23.1	— 23.4	— 23.6	— 23.6	— 23.4	— 23.2	— 22.8	— 22.4	— 21.7	— 21.0	— 20.2	— 19.3	— 18.4	— 17.4	— 16.3	— 15.3	— 14.2	47
49	— 23.6	— 23.9	— 24.2	— 24.2	— 24.0	— 23.7	— 23.3	— 22.8	— 22.2	— 21.4	— 20.5	— 19.6	— 18.5	— 17.5	— 16.3	— 15.2	— 14.1	49
51	— 24.2	— 24.5	— 24.8	— 24.8	— 24.6	— 24.3	— 23.8	— 23.3	— 22.6	— 21.8	— 20.9	— 19.8	— 18.7	— 17.6	— 16.3	— 15.2	— 14.0	51
53	— 24.9	— 25.2	— 25.3	— 25.4	— 25.3	— 24.9	— 24.5	— 23.9	— 23.1	— 22.2	— 21.2	— 20.1	— 19.0	— 17.7	— 16.5	— 15.1	— 13.9	53
55	— 25.6	— 25.9	— 26.1	— 26.2	— 26.0	— 25.6	— 25.2	— 24.5	— 23.7	— 22.7	— 21.6	— 20.4	— 19.2	— 17.9	— 16.5	— 15.1	— 13.7	55
57	— 26.3	— 26.7	— 26.9	— 27.0	— 26.8	— 26.4	— 25.9	— 25.2	— 24.3	— 23.2	— 22.1	— 20.8	— 19.4	— 18.0	— 16.6	— 15.0	— 13.5	57
59	— 27.1	— 27.6	— 27.8	— 27.9	— 27.7	— 27.3	— 26.7	— 25.9	— 25.1	— 23.9	— 22.7	— 21.3	— 19.8	— 18.2	— 16.6	— 14.9	— 13.4	59
61	— 28.1	— 28.6	— 28.8	— 28.8	— 28.7	— 28.3	— 27.6	— 26.8	— 25.8	— 24.6	— 23.2	— 21.7	— 20.1	— 18.4	— 16.7	— 15.0	— 13.2	61
63	— 29.2	— 29.6	— 30.0	— 30.0	— 29.8	— 29.4	— 28.7	— 27.8	— 26.7	— 25.4	— 23.9	— 22.2	— 20.5	— 18.7	— 16.7	— 14.9	— 12.9	63
65	— 30.4	— 30.9	— 31.3	— 31.3	— 31.1	— 30.7	— 29.9	— 28.9	— 27.7	— 26.3	— 24.7	— 22.9	— 20.9	— 19.0	— 16.8	— 14.8	— 12.7	65
+ 67	— 31.8	— 32.4	— 32.7	— 32.8	— 32.6	— 32.1	— 31.3	— 30.2	— 28.9	— 27.3	— 25.5	— 23.6	— 21.5	— 19.2	— 17.0	— 14.7	— 12.4	+ 67
+ 69	— 33.4	— 34.1	— 34.5	— 34.6	— 34.4	— 33.8	— 33.0	— 31.8	— 30.4	— 28.6	— 26.6	— 24.5	— 22.2	— 19.7	— 17.1	— 14.5	— 12.0	+ 69
70	— 34.4	— 35.1	— 35.6	— 35.7	— 35.4	— 34.8	— 33.9	— 32.7	— 31.2	— 29.4	— 27.3	— 25.0	— 22.5	— 19.9	— 17.2	— 14.5	— 11.8	70
71	— 35.4	— 36.2	— 36.6	— 36.8	— 36.5	— 35.9	— 35.0	— 33.7	— 32.1	— 30.1	— 27.9	— 25.5	— 23.0	— 20.2	— 17.4	— 14.4	— 11.5	71
72	— 36.6	— 37.4	— 37.9	— 38.0	— 37.8	— 37.2	— 36.1	— 34.8	— 33.1	— 31.1	— 28.7	— 26.2	— 23.4	— 20.4	— 17.4	— 14.4	— 11.3	72
73	— 37.8	— 38.7	— 39.3	— 39.4	— 39.1	— 38.5	— 37.4	— 36.0	— 34.2	— 32.0	— 29.6	— 26.8	— 23.9	— 20.8	— 17.5	— 14.3	— 11.0	73
74	— 39.2	— 40.2	— 40.8	— 40.9	— 40.7	— 40.0	— 38.9	— 37.3	— 35.5	— 33.1	— 30.6	— 27.6	— 24.5	— 21.1	— 17.7	— 14.2	— 10.7	74
75	— 40.8	— 41.9	— 42.5	— 42.7	— 42.4	— 41.7	— 40.5	— 38.9	— 36.9	— 34.4	— 31.7	— 28.5	— 25.2	— 21.5	— 17.8	— 14.1	— 10.3	75
76	— 42.6	— 43.8	— 44.5	— 44.6	— 44.4	— 43.7	— 42.4	— 40.7	— 38.5	— 35.9	— 32.9	— 29.6	— 25.9	— 22.0	— 18.0	— 14.0	— 9.9	76
77	— 44.7	— 46.0	— 46.7	— 47.0	— 46.7	— 45.9	— 44.6	— 42.7	— 40.4	— 37.6	— 34.4	— 30.7	— 26.8	— 22.6	— 18.3	— 13.8	— 9.5	77
78	— 47.1	— 48.4	— 49.3	— 49.6	— 49.4	— 48.6	— 47.1	— 45.2	— 42.6	— 39.5	— 36.1	— 32.1	— 27.8	— 23.3	— 18.5	— 13.8	— 8.9	78
79	— 49.9	— 51.4	— 52.4	— 52.8	— 52.5	— 51.6	— 50.1	— 48.0	— 45.2	— 41.9	— 38.0	— 33.8	— 29.0	— 24.1	— 18.8	— 13.5	— 8.3	79
+ 80	— 53.3	— 55.0	— 56.0	— 56.5	— 56.3	— 55.3	— 53.7	— 51.4	— 48.4	— 44.7	— 40.5	— 35.7	— 30.5	— 25.0	— 19.3	— 13.4	— 7.5	+ 80
Reduction der Var. saec. Decl., in $0''.0001$.																		
— 10°	— 3.4	— 2.1	— 0.6	+ 0.8	+ 2.2	+ 3.6	+ 4.9	+ 6.1	+ 7.3	+ 8.3	+ 9.1	+ 9.8	+ 10.4	+ 10.7	+ 10.9	+ 10.9	+ 10.7	— 10°
— 5	3.4	2.1	— 0.6	+ 0.8	2.2	3.6	4.9	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	— 5
0	3.4	2.1	— 0.6	+ 0.8	2.2	3.6	4.9	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	0
+ 5	3.4	2.1	— 0.6	+ 0.8	2.2	3.6	4.9	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	+ 5
10	3.4	2.1	— 0.6	+ 0.8	2.2	3.6	4.9	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	10
15	3.4	2.1	— 0.6	+ 0.8	2.2	3.6	4.9	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	15
20	3.4	2.1	— 0.6	+ 0.8	2.2	3.6	4.9	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	20
25	3.4	2.1	— 0.6	+ 0.8	2.2	3.6	4.9	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	25
30	3.4	2.1	— 0.7	+ 0.7	2.1	3.5	4.8	6.1	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	30
35	3.4	2.2	— 0.7	+ 0.7	2.1	3.5	4.8	6.0	7.3	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	35
40	3.5	2.2	— 0.7	+ 0.7	2.1	3.5	4.8	6.0	7.2	8.3	9.1	9.8	10.4	10.7	10.9	10.9	10.7	40
45	3.5	2.2	— 0.7	+ 0.7	2.1	3.5	4.8	6.0	7.2	8.2	9.1	9.8	10.4	10.7	10.9	10.9	10.7	45
50	3.5	2.2	— 0.7	+ 0.7	2.1	3.5	4.8	6.0	7.2	8.2	9.0	9.8	10.4	10.7	10.9	10.9	10.7	50
55	3.5	2.2	— 0.7	+ 0.7	2.1	3.5	4.8	6.0	7.2	8.2	9.0	9.8	10.4	10.7	10.9	10.9	10.7	55
60	3.5	2.2	— 0.8	+ 0.6	2.0	3.4	4.7	6.0	7.2	8.2	9.0	9.7	10.4	10.7	10.9	10.9	10.7	60
65	3.6	2.3	— 0.8	+ 0.6	2.0	3.4	4.7	5.9	7.1	8.2	9.0	9.7	10.3	10.7	10.9	10.9	10.7	65
70	3.6	2.3	— 0.8	+ 0.5	1.9	3.3	4.7	5.9	7.1	8.1	9.0	9.7	10.3	10.7	10.9	10.9	10.7	70
75	3.7	2.4	— 0.9	+ 0.5	1.9	3.3	4.6	5.8	7.0	8.1	8.9	9.7	10.3	10.6	10.9	10.9	10.7	75
+ 80	— 3.8	— 2.6	— 1.1	+ 0.3	+ 1.7	+ 3.1	+ 4.4	+ 5.6	+ 6.9	+ 8.0	+ 8.8	+ 9.6	+ 10.3	+ 10.6	+ 10.9	+ 10.9	+ 10.7	+ 80
	$16^h\,0^m$	$16^h\,30^m$	$17^h\,0^m$	$17^h\,30^m$	$18^h\,0^m$	$18^h\,30^m$	$19^h\,0^m$	$19^h\,30^m$	$20^h\,0^m$	$20^h\,30^m$	$21^h\,0^m$	$21^h\,30^m$	$22^h\,0^m$	$22^h\,30^m$	$23^h\,0^m$	$23^h\,30^m$	$24^h\,0^m$	

Tafel zur Berechnung des dritten Gliedes der Praecession

Berechnet von

	P		$\log P_1$		$\log P_2$		$\log P_3$		Q_1		$\log Q_2$		$\log Q_3$	
$0^h\ 0^m$	$+0^s.0097$	1	$6.083n$	87	8.162	2	$-\infty$		$-0''.167$	0	$-\infty$		$-\infty$	
10	+0.0096	1	6.170n	85	8.160	6	6.740	297	−0.167	1	7.977n	299	6.256n	600
20	+0.0095	1	6.255n	97	8.154	9	7.037	170	−0.166	0	8.276n	173	6.856n	348
30	+0.0094	2	6.352n	107	8.145	13	7.207	116	−0.166	1	8.449n	121	7.204n	245
40	+0.0092	3	6.459n	114	8.132	17	7.323	86	−0.165	1	8.570n	91	7.449n	188
50	+0.0089	3	6.573n	116	8.115	20	7.409	65	−0.164	1	8.661n	73	7.637n	151
1 0	+0.0086	3	6.689n	114	8.095	25	7.474	50	−0.163	2	8.734n	59	7.788n	124
10	+0.0083	4	6.803n	111	8.070	31	7.524	38	−0.161	1	8.793n	49	7.912n	106
20	+0.0079	4	6.914n	106	8.039	36	7.562	28	−0.160	2	8.842n	41	8.018n	90
30	+0.0075	5	7.020n	98	8.003	42	7.590	20	−0.158	2	8.883n	34	8.108n	78
40	+0.0070	5	7.118n	93	7.961	52	7.610	11	−0.156	3	8.917n	29	8.186n	67
50	+0.0065	6	7.211n	86	7.909	63	7.621	4	−0.153	3	8.946n	24	8.253n	59
2 0	+0.0059	5	7.297n	80	7.846	76	7.625	4	−0.150	3	8.970n	19	8.312n	51
10	+0.0054	6	7.377n	74	7.770	97	7.621	12	−0.147	3	8.989n	15	8.363n	44
20	+0.0048	6	7.451n	68	7.673	130	7.609	19	−0.144	3	9.004n	11	8.407n	38
30	+0.0042	7	7.519n	64	7.543	193	7.590	28	−0.141	4	9.015n	8	8.445n	32
40	+0.0035	6	7.583n	59	7.350	354	7.562	38	−0.137	5	9.023n	5	8.477n	27
50	+0.0029	6	7.642n	54	6.996		7.524	50	−0.132	4	9.028n	1	8.504n	21
3 0	+0.0023	6	7.696n	51	6.447n	741	7.474	65	−0.128	5	9.029n	3	8.525n	17
10	+0.0017	7	7.747n	46	7.188n	259	7.409	85	−0.123	5	9.026n	6	8.542n	11
20	+0.0010	6	7.793n	43	7.447n	158	7.324	117	−0.118	6	9.020n	9	8.553n	7
30	+0.0004	6	7.836n	39	7.605n	114	7.207	170	−0.112	6	9.011n	13	8.560n	2
40	−0.0002	6	7.875n	36	7.719n	87	7.037	297	−0.106	6	8.998n	17	8.562n	3
50	−0.0008	5	7.911n	32	7.806n	69	6.740		−0.100	6	8.981n	21	8.559n	8
4 0	−0.0013	6	7.943n	30	7.875n	58	$-\infty$		−0.094	7	8.960n	26	8.551n	14
10	−0.0019	5	7.973n	27	7.933n	47	6.740n	297	−0.087	7	8.934n	31	8.537n	20
20	−0.0024	4	8.000n	24	7.980n	40	7.037n	170	−0.080	8	8.903n	37	8.517n	26
30	−0.0028	4	8.024n	21	8.020n	33	7.207n	117	−0.072	7	8.866n	44	8.491n	34
40	−0.0032	4	8.045n	18	8.053n	28	7.324n	85	−0.065	8	8.822n	54	8.457n	43
50	−0.0036	3	8.063n	16	8.081n	23	7.409n	65	−0.057	8	8.768n	64	8.414n	54
5 0	−0.0039	3	8.079n	13	8.104n	19	7.474n	50	−0.049	8	8.704n	80	8.360n	69
10	−0.0042	3	8.092n	11	8.123n	15	7.524n	38	−0.041	8	8.624n	103	8.291n	88
20	−0.0045	1	8.103n	8	8.138n	11	7.562n	28	−0.033	9	8.521n	140	8.203n	118
30	−0.0046	2	8.111n	6	8.149n	8	7.590n	19	−0.024	9	8.381n	212	8.085n	171
40	−0.0048	0	8.117n	4	8.157n	4	7.609n	12	−0.015	8	8.169n	445	7.914n	298
50	−0.0048	0	8.121n	1	8.161n	1	7.621n	4	−0.007	9	7.724n		7.616n	
6 0	−0.0048		8.122n		8.162n		7.625n		+0.002		7.623		$-\infty$	

12^h	0^m
	10
	20
	30
	40
	50
13	0
	10
	20
	30
	40
	50
14	0
	10
	20
	30
	40
	50
15	0
	10
	20
	30
	40
	50
16	0
	10
	20
	30
	40
	50
17	0
	10
	20
	30
	40
	50
18	0

Steht das Argument auf der rechten Seite der Tafel (12^h bis 18^h), so wird bei P_1, P_3, Q_1 und Q_3 das entgegengesetzte Zeichen genommen.

Das von der dritten Potenz der Zeit abhängende Glied der Praecession verändert den Ort eines Sterns nach t Jahren

in AR um $\left\{P + P_1 \operatorname{tang} \delta + P_2 \operatorname{tang} \delta^2 + P_3 \operatorname{tang} \delta^3\right\} \cdot \left(\frac{t}{100}\right)^3$ Zeitsecunden

in Decl. um $\left\{Q_1 + Q_2 \operatorname{tang} \delta + Q_3 \operatorname{tang} \delta^2\right\} \cdot \left(\frac{t}{100}\right)^3$ Bogensecunden.

in AR und Decl. mit den Struve'schen Constanten für 1875.

Dr. G. Müller.

	P		$\log P_1$		$\log P_2$		$\log P_3$		Q_1		$\log Q_2$		$\log Q_3$		
$6^h\ 0^m$	$-0^s.0048$	0	8.122n	2	8.162n	2	7.625n	4	$+0''.002$	9	7.623	513	$-\infty$		$18^h\ 0^m$
10	−0.0048	1	8.120n	4	8.160n	6	7.621n	12	+0.011	8	8.136	227	7.616	298	10
20	−0.0047	1	8.116n	6	8.154n	9	7.609n	19	+0.019	9	8.363	146	7.914	171	20
30	−0.0046	2	8.110n	9	8.145n	13	7.590n	28	+0.028	8	8.509	107	8.085	118	30
40	−0.0044	3	8.101n	11	8.132n	17	7.562n	38	+0.036	8	8.616	83	8.203	88	40
50	−0.0041	3	8.090n	13	8.115n	21	7.524n	50	+0.044	9	8.699	67	8.291	69	50
7 0	−0.0038	3	8.077n	17	8.094n	25	7.474n	65	+0.053	8	8.766	55	8.360	54	19 0
10	−0.0035	4	8.060n	19	8.069n	30	7.409n	85	+0.061	7	8.821	46	8.414	43	10
20	−0.0031	5	8.041n	21	8.039n	36	7.324n	117	+0.068	8	8.867	39	8.457	34	20
30	−0.0026	5	8.020n	25	8.003n	43	7.207n	170	+0.076	7	8.906	33	8.491	26	30
40	−0.0021	5	7.995n	27	7.960n	51	7.037n	297	+0.083	7	8.939	27	8.517	20	40
50	−0.0016	5	7.968n	30	7.909n	63	6.740n		+0.090	7	8.966	23	8.537	14	50
8 0	−0.0011	6	7.938n	34	7.846n	76	$-\infty$		+0.097	6	8.989	18	8.551	8	20 0
10	−0.0005	6	7.904n	37	7.770n	97	6.740	297	+0.103	6	9.007	15	8.559	3	10
20	+0.0001	6	7.867n	41	7.673n	130	7.037	170	+0.109	6	9.022	11	8.562	2	20
30	+0.0007	6	7.826n	44	7.543n	193	7.207	117	+0.115	6	9.033	7	8.560	7	30
40	+0.0013	6	7.782n	48	7.350n	359	7.324	85	+0.121	5	9.040	4	8.553	11	40
50	+0.0019	7	7.734n	53	6.991n		7.409	65	+0.126	5	9.044	1	8.542	17	50
9 0	+0.0026	6	7.681n	57	6.447	743	7.474	50	+0.131	4	9.045	2	8.525	21	21 0
10	+0.0032	6	7.624n	62	7.190	257	7.524	38	+0.135	4	9.043	6	8.504	27	10
20	+0.0038	6	7.562n	69	7.447	158	7.562	28	+0.139	4	9.037	8	8.477	32	20
30	+0.0044	6	7.493n	74	7.605	114	7.590	19	+0.143	3	9.029	13	8.445	38	30
40	+0.0050	6	7.419n	81	7.719	87	7.609	12	+0.146	3	9.016	16	8.407	44	40
50	+0.0056	6	7.338n	90	7.806	69	7.621	4	+0.149	3	9.000	21	8.363	51	50
10 0	+0.0062	5	7.248n	99	7.875	58	7.625	4	+0.152	3	8.979	24	8.312	59	22 0
10	+0.0067	5	7.149n	110	7.933	47	7.621	11	+0.155	2	8.955	30	8.253	67	10
20	+0.0072	5	7.039n	124	7.980	40	7.610	20	+0.157	2	8.925	35	8.186	78	20
30	+0.0077	4	6.915n	141	8.020	33	7.590	28	+0.159	2	8.890	42	8.108	90	30
40	+0.0081	4	6.774n	165	8.053	28	7.562	38	+0.161	1	8.848	50	8.018	106	40
50	+0.0085	3	6.609n	202	8.081	23	7.524	50	+0.162	2	8.798	60	7.912	124	50
11 0	+0.0088	3	6.407n	267	8.104	19	7.474	65	+0.164	1	8.738	73	7.788	151	23 0
10	+0.0091	2	6.140n	441	8.123	15	7.409	86	+0.165	1	8.665	92	7.637	188	10
20	+0.0093	2	5.699n	602	8.138	11	7.323	116	+0.166	0	8.573	122	7.449	245	20
30	+0.0095	1	5.176	195	8.149	8	7.207	170	+0.166	1	8.451	174	7.204	348	30
40	+0.0096	1	5.778	110	8.157	4	7.037	297	+0.167	0	8.277	299	6.856	600	40
50	+0.0097	0	5.973		8.161	1	6.740		+0.167	0	7.978		6.256		50
12 0	+0.0097		6.083		8.162		$-\infty$		+0.167		$-\infty$		$-\infty$		24 0

Steht das Argument auf der rechten Seite der Tafel (18^h bis 24^h), so wird bei P_1, P_3, Q_1 und Q_3 das entgegengesetzte Zeichen genommen.

$$P = -(7.6849) - (6.4467)\sin\alpha\cos\alpha + (8.1620)\cos\alpha^2$$
$$P_1 = -(6.0817)\cos\alpha - (8.1215)\sin\alpha + (8.1017)\sin\alpha\cos\alpha^2$$
$$P_2 = -(8.1620) - (6.7477)\sin\alpha\cos\alpha + (8.4630)\cos\alpha^2 = 2P - 0.00484$$
$$P_3 = -(7.6246)\sin\alpha + (8.2266)\sin\alpha\cos\alpha^2$$

$$Q_1 = +(7.2578)\sin\alpha - (9.2223)\cos\alpha - (8.4996)\cos\alpha\sin\alpha^2$$
$$Q_2 = +(7.6228)\sin\alpha^2 - (9.3381)\sin\alpha\cos\alpha$$
$$Q_3 = -(8.9767)\cos\alpha\sin\alpha^2$$

Anhang III.

Constanten zur Berechnung der scheinbaren Oerter für die nicht bei Bradley vorkommenden Sterne für 1865 und 1885.

Berechnet von Dr. G. Müller.

Cat. Nr.	log a		log b		log c		log d		log a'		log b'		log c'		log d'	
	1865	1885	1865	1885	1865	1885	1865	1885	1865	1885	1865	1885	1865	1885	1865	1885
43	0.6355	0.6369	8.8669	8.8660	8.9518	8.9504	8.8790	8.8831	1.1851	1.1827	9.8100n	9.8132n	9.4537n	9.4613n	9.7980	9.7961
51	0.6191	0.6202	8.7369	8.7354	8.8585	8.8565	8.8560	8.8594	1.1529	1.1502	9.8482n	9.8509n	9.3958n	9.4035n	9.7291	9.7269
58	0.5733	0.5739	8.3869	8.3847	8.6644	8.6614	8.8026	8.8046	1.0718	1.0685	9.9078n	9.9095n	8.7654n	8.7855n	9.4921	9.4896
68	1.2220	1.2313	9.6136	9.6007	9.6151	9.6022	9.8329	9.8443	1.0166	0.9985	9.9321n	9.9384n	9.9117n	9.9185n	9.7129	9.6948
76	0.7717	0.7727	8.7082	8.6984	8.7471	8.7372	9.1899	9.1918	0.8329	0.8223	9.9734n	9.9748n	9.8353n	9.8373n	9.4917	9.4814
92	0.9013	0.9025	8.6153	8.5857	8.6305	8.6008	9.4027	9.4046	0.5233	0.4931	9.9933n	9.9947n	9.9234n	9.9251n	9.2059	9.1758
111	1.4843	1.4783	9.3381n	9.4405n	9.3386n	9.4410n	0.1365	0.1298	0.4989n	0.6044n	9.9946n	9.9911n	9.9848n	9.9811n	9.1962n	9.3017n
116	0.8005	0.7993	8.7508n	8.7613n	8.7814n	8.7920n	9.2396	9.2374	0.8192n	0.8305n	9.9751n	9.9737n	9.8590n	9.8570n	9.4864n	9.4976n
137	0.9638	0.9562	9.5520n	9.5522n	9.5563n	9.5567n	9.4895	9.4781	1.1826n	1.1874n	9.8135n	9.8067n	9.7660n	9.7579n	9.8760n	9.8808n
361	0.6809	0.6823	8.8654	8.8630	8.9302	8.9275	8.9993	9.0028	1.1144	1.1108	9.8813n	9.8839n	9.6384n	9.6432n	9.7473	9.7441
363	0.7107	0.7122	8.8958	8.8928	8.9468	8.9435	9.0637	9.0671	1.0855	1.0812	9.9001n	9.9026n	9.7059n	9.7101n	9.7323	9.7283
364	0.7923	0.7946	9.0536	9.0497	9.0781	9.0741	9.2175	9.2217	1.0710	1.0655	9.9082n	9.9110n	9.7945n	9.7985n	9.7442	9.7389
365	0.7039	0.7052	8.8179	8.8141	8.8773	8.8733	9.0551	9.0580	1.0451	1.0402	9.9207n	9.9228n	9.7112n	9.7149n	9.6835	9.6789
369	0.8987	0.9008	8.9967	8.9855	9.0104	8.9992	9.3970	9.4003	0.8817	0.8693	9.9662n	9.9682n	9.8971n	9.8997n	9.5658	9.5534
373	0.9895	0.9914	8.9483	8.9257	8.9563	8.9336	9.5311	9.5338	0.7126	0.6887	9.9851n	9.9867n	9.9378n	9.9397n	9.4024	9.3786
383	0.8209	0.8209	7.4861n	7.6781n	7.5149n	7.7070n	9.2767	9.2766	9.5403n	9.7324n	9.9999n	9.9998n	9.8936n	9.8935n	8.2093n	8.4014n
387	1.0167	1.0157	8.5679n	8.6274n	8.5750n	8.6345n	9.5694	9.5680	0.3056n	0.3657n	9.9978n	9.9971n	9.9549n	9.9540n	8.9963n	9.0565n
393	0.9464	0.9452	8.7087n	8.7383n	8.7197n	8.7493n	9.4697	9.4680	0.5454n	0.5757n	9.9932n	9.9922n	9.9353n	9.9349n	9.2322n	9.2625n
401	0.8657	0.8635	9.0160n	9.0239n	9.0326n	9.0406n	9.3445	9.3409	0.9439n	0.9533n	9.9537n	9.9514n	9.8737n	9.8707n	9.6252n	9.6344n
408	0.5945	0.5939	8.4937n	8.4961n	8.6998n	8.7028n	8.8380	8.8358	1.0718n	1.0751n	9.9078n	9.9060n	9.2134n	9.2051n	9.5635n	9.5662n
410	0.8360	0.8336	9.1400n	9.1440n	9.1570n	9.1610n	9.2932	9.2883	1.0730n	1.0789n	9.9071n	9.9039n	9.8180n	9.8137n	9.7539n	9.7596n
411	0.6525	0.6515	8.7323n	8.7349n	8.8289n	8.8319n	8.9468	8.9439	1.0849n	1.0885n	9.9005n	9.8983n	9.5751n	9.5711n	9.6860n	9.6893n
414	0.6481	0.6469	8.8137n	8.8154n	8.9013n	8.9034n	8.9237	8.9202	1.1402n	1.1431n	9.8604n	9.8577n	9.5347n	9.5288n	9.7504n	9.7529n
420	0.7228	0.7201	9.1597n	9.1601n	9.1871n	9.1878n	9.0696	9.0634	1.2026n	1.2051n	9.7829n	9.7785n	9.6232n	9.6164n	9.8729n	9.8752n
421	0.7453	0.7417	9.2742n	9.2739n	9.2925n	9.2924n	9.1122	9.1045	1.2236n	1.2259n	9.7412n	9.7359n	9.6078n	9.5998n	9.9032n	9.9053n
425	0.9081	0.8978	9.7023n	9.6984n	9.7054n	9.7015n	9.4016	9.3850	1.2543n	1.2567n	9.6483n	9.6381n	9.5920n	9.5794n	9.9491n	9.9514n
429	0.6446	0.6418	9.2259n	9.2246n	9.2535n	9.2525n	8.8525	8.8433	1.2704n	1.2715n	9.5672n	9.5601n	9.2932n	9.2785n	9.9406n	9.9414n
435	0.5348	0.5336	8.8926n	8.8914n	9.0070n	9.0064n	8.3609	8.3503	1.2914n	1.2919n	9.3432n	9.3335n	9.0348	9.0528	9.8748n	9.8746n
436	0.5606	0.5585	9.1481n	9.1464n	9.1906n	9.1893n	8.4911	8.4778	1.2937n	1.2941n	9.2921n	9.2805n	7.7202	8.0335	9.9490n	9.9491n
440	0.4936	0.4897	9.4840n	9.4799n	9.4941n	9.4903n	7.3533	6.9140	1.3022n	1.3022n	7.8592n	7.4237n	8.9328	8.9588	9.9898n	9.9896n
452	0.1816	0.1820	9.3122n	9.3090n	9.3314n	9.3284n	8.9081n	8.9081n	1.2733n	1.2729n	9.5478	9.5504	9.6665	9.6689	9.9519n	9.9513n
453	0.3473	0.3467	9.0443n	9.0420n	9.1040n	9.1021n	8.6853n	8.6876n	1.2727n	1.2722n	9.5518	9.5555	9.7187	9.7212	9.9108n	9.9098n
454	0.4280	0.4277	8.6813n	8.6790n	8.8932n	8.8919n	8.5038n	8.5073n	1.2688n	1.2681n	9.5771	9.5813	9.7592	9.7608	9.7547n	9.7530n
455	0.1580	0.1588	9.2728n	9.2698n	9.2947n	9.2920n	8.9327n	8.9325n	1.2647n	1.2642n	9.6005	9.6025	9.7105	9.7125	9.9405n	9.9398n
460	0.2124	0.2127	8.9792n	8.9769n	9.0382n	9.0362n	8.9155n	8.9156n	1.2045n	1.2037n	9.7796	9.7809	9.8675	9.8686	9.8433n	9.8422n
462	0.1853	0.1858	8.9308n	8.9285n	8.9939n	8.9920n	8.9484n	8.9484n	1.1733n	1.1724n	9.8255	9.8266	9.9012	9.9020	9.8079n	9.8067n
463	0.4518	0.4519	8.1197n	8.1155n	8.7068n	8.7050n	8.6683n	8.6701n	1.1701n	1.1684n	9.8294	9.8313	9.7736	9.7736	9.2807n	9.2767n
464	9.9751	9.9777	9.0430n	9.0407n	9.0806n	9.0787n	9.0634n	9.0626n	1.1602n	1.1596n	9.8407	9.8413	9.9077	9.9083	9.8203n	9.8194n
467	9.7921	9.7975	9.0376n	9.0355n	9.0709n	9.0690n	9.1206n	9.1196n	1.1254n	1.1249n	9.8729	9.8733	9.9319	9.9323	9.7899n	9.7892n
470	9.9499	9.9521	8.8629n	8.8609n	8.9129n	8.9112n	9.0865n	9.0859n	1.0480n	1.0472n	9.9194	9.9197	9.9717	9.9720	9.6958n	9.6947n
471	0.1564	0.1569	8.6971n	8.6947n	8.7830n	8.7809n	8.9982n	8.9981n	1.0185n	1.0170n	9.9314	9.9320	9.9771	9.9775	9.6303n	9.6285n
475	0.1149	0.1156	8.6069n	8.6043n	8.6908n	8.6885n	9.0295n	9.0294n	0.9221n	0.9203n	9.9586	9.9589	9.9978	9.9980	9.5360n	9.5339n
476	0.4255n	0.4209n	9.0377n	9.0407n	9.0478n	9.0509n	9.4664n	9.4644n	0.8541n	0.8585n	9.9705	9.9699	0.0023	0.0018	9.5418n	9.5461n
477	0.0521	0.0529	8.5313n	8.5286n	8.6076n	8.6051n	9.0629n	9.0627n	0.8217n	0.8196n	9.9748	9.9751	0.0119	0.0121	9.4432n	9.4410n
480	0.2916	0.2918	8.1468n	8.1414n	8.3325n	8.3274n	8.9307n	8.9309n	0.6906n	0.6857n	9.9866	9.9869	9.9828	9.9829	9.2026n	9.1975n
486	0.2706	0.2707	7.4785	7.5014	7.6520	7.6749	8.9531n	8.9531n	0.0006	0.0234	9.9995	9.9994	9.9964	9.9963	8.5249	8.5478
490	0.4554n	0.4571n	8.6733	8.6625	8.6838	8.6730	9.4810n	9.4819n	0.4995	0.4881	9.9945	9.9948	0.0246	0.0248	9.1868	9.1754
491	9.2824	9.2785	8.3544	8.3555	8.3959	8.3969	9.1987n	9.1989n	0.4941	0.4948	9.9947	9.9947	0.0329	0.0329	9.1504	9.1513
497	0.5423n	0.5472n	9.1307	9.1270	9.1383	9.1346	9.5221n	9.5247n	0.8841	0.8787	9.9658	9.9667	9.9950	9.9957	9.5743	9.5690
505	0.1763	0.1761	8.8255	8.8278	8.9015	8.9034	8.9700n	8.9700n	1.1148	1.1158	9.8810	9.8802	9.9416	9.9410	9.7366	9.7380
511	0.1850	0.1847	8.9174	8.9197	8.9823	8.9843	8.9506n	8.9506n	1.1670	1.1679	9.8330	9.8320	9.9068	9.9060	9.7998	9.8010
515	0.2692	0.2694	8.9156	8.9180	8.9926	8.9946	8.8588n	8.8582n	1.2085	1.2093	9.7724	9.7708	9.8651	9.8640	9.8293	9.8306

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